

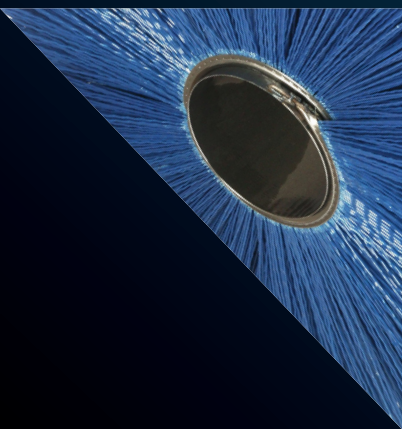


# M MICHAEL TODD

INDUSTRIAL SUPPLY

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PRODUCT CATALOG | VOLUME 11



# Have questions? Ready to place an order?

Our customer care and sales teams  
are ready to help!

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QUALITY PRODUCTS & PERSONALIZED SERVICE **SINCE 1948**

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# Head & Hand Protection

## Protective Caps

Cap Style			Full Brim		
Invented Class E	Vented Class C	Shell	Invented Class E	Vented Class C	Shell
72200	71200	White	72400	71400	White
72201	71201	Yellow	72401	71401	Yellow
72202	71202	Red	72402	71402	Red
72203	71203	Blue	72403	71403	Blue
72204	71204	Orange	72405	71405	Green
72205	71205	Green	72416	71416	Hi-Viz Orange
72206	71206	Pink	72418	71418	Hi-Viz Limon
72207	71207	Black			
72208	71208	Gray			
72216	71216	Hi-Viz Orange			
72218	71218	Hi-Viz Limon			



Serpent Full Brim, Unvented



Serpent Cap Style, Unvented

### Serpent Hard Hats

- Lightweight, high-density polyethylene
- Soft, cushioned brow pad
- Eight-point, six-strap suspension provides exceptional impact absorption
- Rotating ratchet suspension adjust to fit head sizes 6 3/4" to 8 1/4"
- Available in vented and unvented shells and various colors

## Disposable Gloves & Hand Towels

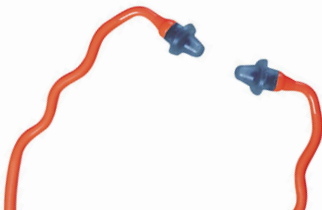


<p><b>Astro-Grip Power-Free Exam Grade Nitrile Glove – 7mil</b></p> <p><b>66472</b> Medium    <b>66473</b> Large  <b>66474</b> X-Large    <b>66475</b> 2X-Large</p> <ul style="list-style-type: none"> <li>• Chemical and puncture resistant</li> <li>• Improved grip action when handling liquids, non-latex</li> <li>• 100 / box</li> </ul>	<p><b>Raven Powder-Free Exam Grade Nitrile Glove – 7mil</b></p> <p><b>66517</b> Medium    <b>66518</b> Large  <b>66519</b> X-Large    <b>66520</b> 2X-Large</p> <ul style="list-style-type: none"> <li>• Chemical and puncture resistant</li> <li>• Texture for enhanced gripping abilities</li> <li>• 100 / box</li> </ul>	<p><b>Sure Touch Nitrile Gloves – 5mil</b></p> <p><b>4522PFM</b> Medium  <b>4522PFL</b> Large  <b>4522PFXL</b> X-Large</p> <ul style="list-style-type: none"> <li>• Powder-free, latex-free, textured fingertips</li> <li>• One-time use, disposable gloves</li> <li>• 100 / box</li> </ul>
<p><b>Thickster Powder-Free Latex Exam Grade Disposable Gloves – 14 Mil</b></p> <p><b>6602-20</b> Medium    <b>6603-20</b> Large  <b>6604-20</b> X-Large    <b>6605-20</b> XX-Large</p> <ul style="list-style-type: none"> <li>• Powder-free exam grade latex</li> <li>• 12" length for added protection</li> <li>• Beaded cuff for easy donning</li> <li>• Fully textured for superior grip</li> <li>• 50 / box</li> </ul>	<p><b>Textured Hand-Y Cleaning Towels #5025</b></p> <ul style="list-style-type: none"> <li>• Dual textured industrial cleaning towel</li> <li>• Pre-moistened</li> <li>• Removes paint, heavy grease and grime</li> </ul>	<p><b>Non-Textured Hand-Y Cleaning Towels #5021</b></p> <ul style="list-style-type: none"> <li>• Multi-purpose cleaning power</li> <li>• Pre-moistened</li> <li>• Removes dirt, oil, and grease</li> </ul>

# Eye & Ear Protection

## Safety Glasses & Visitors Spectacles

		
<p><b>StarLite®</b>  <b>No. 4680</b> Clear Temple / Clear Lens  <b>No. 4683</b> Gray Temple / Gray Lens  <b>No. 468M</b> Gray Temple / Mirrored Lens</p> <ul style="list-style-type: none"> <li>• Lightweight, low cost protection</li> <li>• Wraparound body provides side protection</li> <li>• Scratch-resistant 100% polycarbonate lens</li> <li>• 10 / box</li> </ul>	<p><b>StarLite® SQUARED</b>  <b>No. 4480</b> Clear Temple / Clear Lens  <b>No. 4483</b> Gray Temple / Gray Lens  <b>No. 448M</b> Gray Temple / Mirrored Lens</p> <ul style="list-style-type: none"> <li>• Soft, pliable temples and fingertip nosepiece offer long-wearing comfort</li> <li>• Scratch-resistant 100% polycarbonate lens</li> <li>• 10 / box</li> </ul>	<p><b>StarLite® FOAMPRO</b>  <b>No. 46FP78</b> Gray Temple / Gray Anti-Fog Lens  <b>No. 46FP79</b> Clear Temple / Clear Anti-Fog Lens</p> <ul style="list-style-type: none"> <li>• Foam lining to block dirt and debris</li> <li>• 10 / box</li> </ul>
		
<p><b>4X4</b>  <b>No. 41GB3Z</b> Glossy Black Frame / Gray Polarized Lens  <b>No. 41PG8M</b> Polished Granite Frame / Silver Lens</p> <ul style="list-style-type: none"> <li>• Strong four-sided frame and soft inset nose piece</li> <li>• Polarized lens reduces glare, prevents reflected light and increases color perception</li> </ul>	<p><b>Varsity</b>  <b>No. 2780</b> Clear Lens / Clear Temples  <b>No. 2783</b> Gray Lens / Gray Temples</p> <ul style="list-style-type: none"> <li>• Lightweight less than 1 ounce</li> <li>• "V" shaped temple design</li> <li>• Soft, adjustable nosepiece</li> <li>• Vented side shields</li> <li>• 10 / box</li> </ul>	<p><b>Conqueror</b>  <b>No. 28GB8M</b> Silver Mirror Lens  <b>No. 28GB83</b> Gray Lens / Black Frame</p> <ul style="list-style-type: none"> <li>• Ergonomic, contoured temple tips</li> <li>• Adjustable length eyewear retainer</li> <li>• 10 / box</li> </ul> <p><b>Gizmo Eyewear Retainer</b>  <b>No. 430</b> Black</p> <ul style="list-style-type: none"> <li>• Adjustable toggle and 100% cotton material</li> </ul>

## Hearing Protection

		
<p><b>Contra-Band</b>  <b>No. 992110</b></p> <ul style="list-style-type: none"> <li>• Soft, replaceable plugs</li> <li>• Lightweight band and molded finger grips</li> </ul>	<p><b>No. 92202</b> Uncorded, 200 / box  <b>No. 92212</b> Corded, 100 / box</p> <ul style="list-style-type: none"> <li>• Extremely smooth tapered design for easy insertion</li> <li>• Self adjusting design exerts little pressure on ear canal</li> <li>• Available with or without breakaway cord</li> <li>• Shipping weight: 1 lb / box</li> <li>• Box quantities only</li> </ul>	<p><b>Tri-Grip</b>  <b>No. 941110</b> Hi-Viz Orange  <b>No. 941100</b> Hi-Viz Orange (uncorded)</p> <ul style="list-style-type: none"> <li>• 27 Noise Reduction Rate — the highest third-party tested reusable earplug rating</li> <li>• Three-sided stem with semi-rigid insert</li> <li>• Soft, curved flanges</li> </ul>



# Hand Protection | Industrial Grade

## Work & Winter Gloves

			
<p><b>No. GC2030-GY</b></p> <ul style="list-style-type: none"> <li>• 13-gauge knit construction</li> <li>• ANSI A1 &amp; EN388 3121 protection</li> <li>• Palm &amp; fingers coated with smooth nitrile</li> <li>• Sizes: S–XL</li> </ul>	<p><b>No. 87</b></p> <ul style="list-style-type: none"> <li>• Grain cowhide palm driver glove with split cowhide back</li> <li>• Sizes: M–2XL</li> </ul>	<p><b>No. 99PLUS-BLK</b></p> <ul style="list-style-type: none"> <li>• Synthetic leather palm and spandex back</li> <li>• TRP cuff strap</li> <li>• Touch screen fingertips</li> <li>• Sizes: S–3XL</li> </ul>	<p><b>No. 1109</b></p> <ul style="list-style-type: none"> <li>• 9 oz brown jersey glove</li> <li>• Size: Large only</li> </ul>
			
<p><b>No. 5LWP</b></p> <ul style="list-style-type: none"> <li>• Select shoulder split cowhide</li> <li>• Water-resistant lining</li> <li>• Sizes: L–2XL</li> </ul>	<p><b>No. 9PW</b></p> <ul style="list-style-type: none"> <li>• Lightweight grain pigskin</li> <li>• Fleece insulation</li> <li>• Sizes: S–2XL</li> </ul>	<p><b>No. 5LP</b></p> <ul style="list-style-type: none"> <li>• Grain pigskin</li> <li>• Multiblend insulation</li> <li>• Sizes: S–XL</li> </ul>	<p><b>No. 6DP</b></p> <ul style="list-style-type: none"> <li>• Shoulder split cowhide leather with padded double palm and rubberized cuff</li> <li>• Size: Large only</li> </ul>
			
<p><b>No. 99ACE-PW</b></p> <ul style="list-style-type: none"> <li>• Pigskin palm insulated winter mechanics glove</li> <li>• Spandex/neoprene back</li> <li>• Sizes: S–2XL</li> </ul>	<p><b>No. 15HV</b></p> <ul style="list-style-type: none"> <li>• Hi-viz winter mechanic's gloves</li> <li>• Synthetic leather padded palm and spandex back</li> <li>• Reflective with storm cuff</li> <li>• Sizes: S–2XL</li> </ul>	<p><b>No. 5314</b></p> <ul style="list-style-type: none"> <li>• Full nitrile-coated jersey knit safety cuff</li> <li>• Size: Large only</li> </ul>	<p><b>No. 2300</b></p> <ul style="list-style-type: none"> <li>• Atlas rubber-coated cotton/poly string knit glove</li> <li>• Flexible and seamless liner</li> <li>• Sizes: S–XL</li> </ul>

# Rainsuits & Jackets



### No. RJ9000 Jacket

- ANSI/ISEA 107-2010 Class 3 compliant
- Polyurethane-coated 300 denier oxford polyester fabric
- 2" reflective tape, #8 two-way zipper and 5 snaps
- Waterproof protection, attached hood, elastic cuffs
- Sizes: M-4XL

### No. RP9000 Pants

- ANSI/ISEA 107-2010 Class 3 compliant
- Polyurethane-coated 300 denier oxford polyester fabric
- 2" reflective tape, hook & loop ankle cuffs
- Waterproof protection, elastic waist with draw string
- Sizes: M-4XL

### No. RBP9000 Bib Pants

- ANSI/ISEA 107-2010 Class 3 compliant
- Polyurethane-coated 300 denier oxford polyester fabric
- Black elastic suspender straps with divider and quick release buckles
- Same as RP9000 but adds bib features
- Sizes: M-4XL

## Bomber Jackets & Sweatshirts



### Bomber Jackets

- No. J3300** (Lime/Black) perm. liner
- No. J3201** (Orange/Lime) perm. liner
- No. J4211** (Orange/Lime) removable liner
- ANSI 107-2010 Class 3
- Weather-resistant polyurethane fabric
- Zip out drawstring hood
- Sizes: M-5XL

### Parkas

- No. J5200**
- ANSI 107-2010 Class 3
- Hi-viz Orange and Lime over Blue
- Premium weather resistant polyurethane
- Quilted inside liner, zip-out drawstring hood
- Drawstring bottom, expandable pockets
- Sizes: M-5XL

### Hooded Sweatshirts

- No. SS150** Pullover
- No. SZ150** Zipper
- ANSI 107-2010 Class 3
- Polyester lined sleeves
- Hood sewn flat at crown for hard hat
- 2" reflective silver stripes
- High-viz Yellow and Orange available
- Sizes: M-5XL

## ANSI / ISEA 107-2004 Compliance

The American Standard for High Visibility Apparel is published and distributed to all areas of federal, state and local governments as a guide for high visibility safety apparel. It represents what the industry and users view as necessary to adequately protect workers from the hazards associated with low visibility.

**Class 2 Garments** are intended for users where greater visibility is desired during inclement weather conditions and where work activities take place in close proximity to vehicle traffic and where vehicle and moving equipment speeds exceed 25 MPH.

**Class 3 Garments** are intended to provide the highest level of visibility for workers exposed to significantly higher vehicle speeds and / or reduced sign distances, and where the wearer is visible at a minimum distance of 1280 feet and must be identifiable as a person.



# Shirts & Vests

## Class 2

### No. V1000 Breakaway Class 2 Vest

Features solid polyester with five point tear away design, one size fits most adjustability, triple-trim reflective stripes, expandable radio pocket, pencil pocket, mic clip, and hook/loop closure. Velcro strips on the back of the vest allow reflective message patches to be attached as seen in photo.

#### VP-SI Reflective ID Patch

9" x 6" silver reflective patch which attaches to the back of vest using hook and loop strips. VP-SI may be imprinted from our standard list or custom.



### Class 2 Safety Vests

**No. V1100** Lime solid front, mesh back polyester

**No. V1300** Lime overall, mesh polyester

- Outside zipper pocket
- Expandable radio pocket
- 2" reflective stripes
- Large 5" x 7" inner pocket
- Zipper closure
- Sizes: M-5XL

### Class 2 Safety T-Shirts

**No. TS100**

- Short sleeve
- Hi-viz Limon
- Wicking polyester
- Sizes: M-5XL

Custom printing and heat-pressed full color logos are available and may be applied to the front and/or back of all vests.

## Class 3



### Class 3 Safety Vests

**No. V155**

- Lime mesh polyester
- Outside zipper pocket
- Expandable radio pocket
- 2" reflective stripes
- Large 5" x 7" inside pocket
- Zipper closure
- Silk screen available
- Sizes: M-5XL

### Class 3 Safety T-Shirts

**No. TS151** Short Sleeve

**No. TS350** Long Sleeve

- Hi-viz Limon
- Wicking polyester
- Sizes: M-5XL



## Traffic Cones

### Options: Colors, Weights & Stenciling

Customize your cones with different colors, weights and stenciling options

Part No.	Size	Weight	Reflective Collars
GLO 18-BB	18"	3	No collar
GLO 186U-BB	18"	3	6" reflective collar
GLO 28-BB	28"	7 lb	No collar
GLO 286U4L-BB	28"	7 lb	6" upper, 4" lower collars
GLO 28H-BB	28"	10 lb	No collars
GLO-28H6U4L-BB	28"	10 lb	6" upper, 4" lower collars
GLO 36-BB	36"	10 lb	No collar
GLO 366U4L-BB	36"	10 lb	6" upper, 4" lower collars
GLO 36H6U4L-BB	36"	12 lb	6" upper, 4" lower collars



## Reflective Cone Bar

### No. RCB

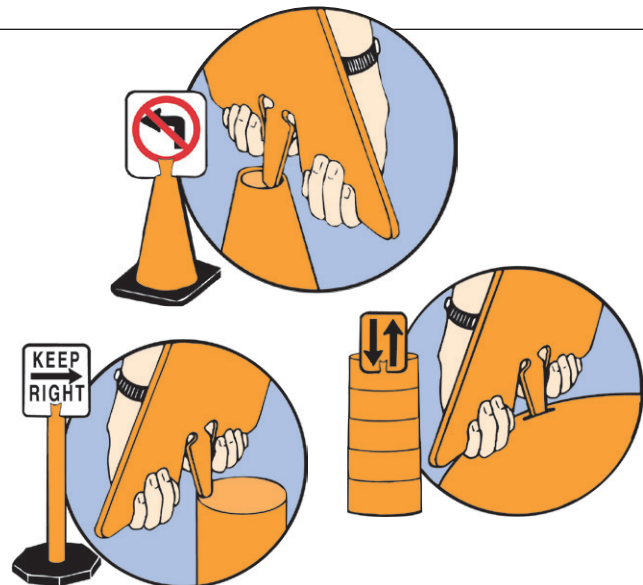
- Adjusts from 48"–81" and fits all standard 18", 28" and 36" traffic cones
- Use to delineate pedestrian areas, define areas of danger or caution in construction areas, or to cordon off confined space work areas
- Black & Yellow or Orange & White



## Cone Signs

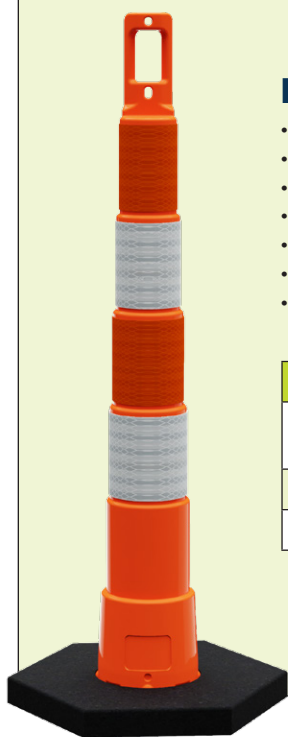
- 12¾"W × 10½"L or 12"W × 13¼"L
- Easy to install
- Snap on traffic signs
- Can be used on traffic cones, barrels and delineators
- These directional, all weather ABS plastic UV signs give supplemental standard warnings and directions creating safer traffic control
- Ask about standard legends, custom signs and reflectorized signs available to order

See cone sign legends on page 31





# Delineator Cones & Channelizers



## Delineator Cones

- Looped handle allows for easy movement and handling of several loopers at one time
- Made of durable bright orange low-density polyethylene
- Reinforced handle design prevents cones from sticking when stacked
- Available with 16 and 30 lb molded recycled rubber bases
- Available in several reflective sheeting configurations (high intensity and diamond grade)
- Recessed areas protect sheeting from being scratched
- Handle has a built in attachment to accept a standard barricade light

Part No.	Description
<b>650R1-O-6-HIP</b>	42" navicade looper channelizer cone (4) 6" hip reflective band o/w/ov/w
<b>42016-CRU</b>	16 lb hex base
<b>42030-CRU</b>	30 lb rectangular base

## Channelizers

Channelizer drums are available in rugged, durable high density or impact resistant, reshapeable low density orange polyethylene with UV inhibitors to minimize fading. Drum tested and certified to meet NCHRP-350 crashworthy requirements and meets or exceeds MUTCD specifications.

D-shaped drum design minimizes rolling after impact and separation from base. Tapered design allows stacking with or without barricade lights for easy handling and storage. Drum minimum width is 18" throughout its 42" height.

Two mounting holes for optional barricade lights and built-in carrying and dragging handle add to its ease of use.

### Available Sheeting Options:

- 4" or 6" white or orange Engineer Grade sheeting
- 4" or 6" white or orange High Intensity sheeting
- 4" or 6" white or orange Diamond Grade sheeting
- Please check sheeting specifications in your area

Part No.	Description
<b>18044-HD-HIP-NB</b>	Low-density drum (4) 4" hip bands o/w/o/w-no base
<b>18020-TRB</b>	25 lb tire ring base



# Type I & II Plastic Folding Barricades



**Plastic Legs + Plastic Panels**

**No. 100-WT8HI-P**

- Type I high-impact folding barricade
- Blow-molded legs & panels w/ (2) 8" x 24" top panels FHIP
- (2) 8" x 24" bottom panels NS

**No. 100-WT8B8HI-P**

- Type II high-impact folding barricade
- Blow-molded legs & panels w/(2) 8" x 24" top panels FHIP
- (2) 8" x 24" bottom panels FHIP

See barricade lights on page 16



## 14 Gauge Galvanized Legs + Plastic Panels

**No. 105G-T8EGB8**

- Type I folding barricade
- 14 ga galvanized legs
- Blow-molded plastic panels
- (2) 8" x 24" top panels EG
- (2) 6" x 24" bottom panels NS

**No. 105G-T8HIPB8HIP**

- Type II folding barricade
- 14 ga galvanized legs
- Blow-molded plastic panels
- (2) 8" x 24" top panels FHIP
- (2) 8" x 24" bottom panels FHIP



**Wood Panels + 14 Gauge Galvanized Legs**

**No. 10024-T1-HI-14**

- Type I
- 24" x 8/6"
- Plywood panels
- 14 ga galvanized legs
- HIP, left & right

**No. 10024-T2-HI-14**

- Type II
- 24" x 8/8"
- Plywood panels
- 14 ga galvanized legs
- HIP, left & right

**No. 10036-T1-HI-14**

- Type I
- 36" x 12/6"
- Plywood panels
- 14 ga galvanized legs
- HIP, left & right

**No. 10036-T2-HI-14**

- Type II
- 36" x 8/8"
- Plywood panels
- 14 ga galvanized legs
- HIP, left & right

Replacement panels available for all models

# Type III Barricades & Barricade Tape

## Type III Barricades

### Plasticade®

#### Plastic Power Post Uprights and Angle Iron Feet

- 37 lb
- Holes drilled
- Power post 63" uprights
- 10 ga galvanized angle iron feet
- Angle iron feet and assembly hardware

Part No.	Description
3408-HIP-LR-DRILL-KIT	Left & right 8' boards with HIP sheeting on <b>both sides</b>
3408-HIP-R-DRILL-KIT	8' boards with HIP sheeting on <b>right side only</b>
3408-HIP-L-DRILL-KIT	8' boards with HIP sheeting on <b>left side only</b>

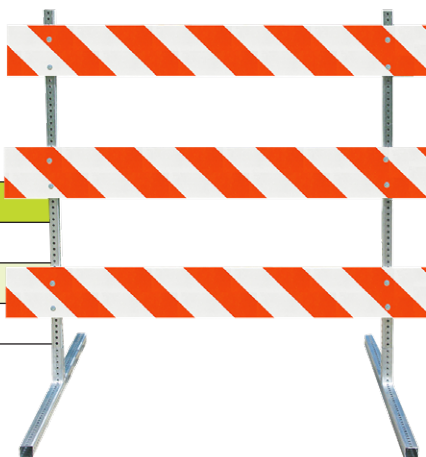


### Plasticade®

#### Steel Square Tube Feet and Uprights

- 55 lb
- Holes drilled
- Steel square tube 63" uprights
- Steel square tube feet
- Assembly hardware

Part No.	Description
3508-HIP-LR-DRILL-KIT	Left & right 8' boards with HIP sheeting on <b>both sides</b>
3508-HIP-R-DRILL-KIT	8' boards with HIP sheeting on <b>right side only</b>
3508-HIP-L-DRILL-KIT	8' boards with HIP sheeting on <b>left side only</b>



See barricade lights on page 16

## Barricade Tape

**Pressure Sensitive Barricade Tape**

- Direction: Left slant or Right slant
- Sheeting Options: Diamond grade, Prismatic hi-intensity grade, Engineered grade
- Sizes: 6" × 50 yd, 8" × 50 yd, 12" × 50 yd

# A-Frames & A-Cades

## A-Frames

### I-Beams

Can be used with Omni A-frame and Plasticade A-frame

#### 2002 Plasticade Single A-Frame Leg

- Can be filled with sand or water
- Only uses I-beam

Part No.	Size	# of Panels
203W-A6HIP	6 ft	1 panel
203W-A8HIP	8 ft	1 panel
203W-A10HIP	10 ft	1 panel
2003W-A6HIP	6 ft	2 panel
2003W-A8HIP	8 ft	2 panel
2003W-A10HIP	10 ft	2 panel



### Plastic Boards

Only used with Omni A-frame 2003

#### 2003W Single Omni Injection Molded A-Frame Leg

- Uses I-beam and plastic boards

Part No.	Size	# of Panels
203W-306HIP	6 ft	1 panel
203W-308HIP	8 ft	1 panel
203W-310HIP	10 ft	1 panel
2003W-306HIP	6 ft	2 panel
2003W-308HIP	8 ft	2 panel
2003W-310HIP	10 ft	2 panel

## A-Cades

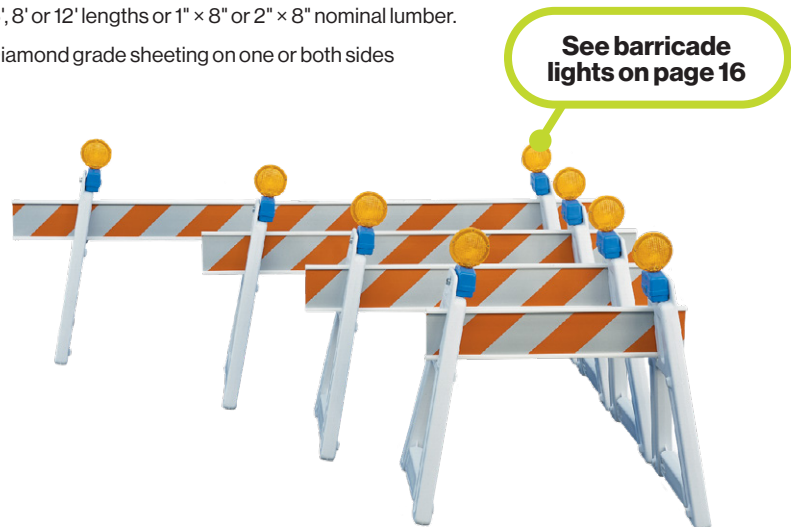
### TraFix A-Cades

This impact-resistant polyethylene, rigid, A-frame barricade is sand fillable (holds up to 15 lb of sand) for ballasting, stackable for storage and transportation, and accepts a standard barricade light.

Accepts TraFix all plastic I-beam rails — available in 4', 6', 8' or 12' lengths or 1" x 8" or 2" x 8" nominal lumber.

Available with Engineer grade, High-intensity grade or Diamond grade sheeting on one or both sides

Part No.	Size
44000	44" A-cade leg
44004	4 ft rail
44006	6 ft rail
44008	8 ft rail
44010	10 ft rail
44012	12 ft rail





# Flags, Banners & Fence

## Flags, Banners, Sandbags

<p><b>Vinyl Flag</b>  <b>No. 1818HD</b></p> <ul style="list-style-type: none"> <li>• 18" x 18" fluorescent red/orange</li> <li>• Vinyl coated flag</li> <li>• With stay/stiffener</li> <li>• 3/4" x 30" hardwood dowel</li> <li>• Use with LFM for marking new sign locations</li> <li>• Shipping weight: 8 lb / dozen</li> </ul>	<p><b>Mesh Flag</b>  <b>No. KVF-1830</b>  Flag with 3/4" x 30" hardwood dowel  <b>No. KVFO-18</b>  Flag without wood dowel</p> <ul style="list-style-type: none"> <li>• 18" x 18" heavy duty mesh</li> <li>• Fluorescent red/orange color</li> <li>• Resists fraying, tearing and snagging</li> <li>• Shipping weight: 6 lb / dozen</li> </ul>	<p><b>Flag Mount Bracket</b>  <b>No. LFM</b></p> <ul style="list-style-type: none"> <li>• For use with square (1 1/4" and 2") and U-channel posts</li> <li>• Attaches to Type III uprights</li> <li>• Holds (2) flags* with 3/4" dowels</li> <li>• Holds (1) warning light*</li> <li>• Shipping weight: 1 lb each</li> </ul> <p><i>*Flags &amp; warning light sold separately</i></p>
<p><b>Airport Flag</b>  <b>No. SM-AF</b></p> <ul style="list-style-type: none"> <li>• 36" x 36" airport flag</li> <li>• Alternating 12" x 12" orange and white squares</li> <li>• Long wearing nylon construction</li> <li>• Shipping weight: 1 lb each</li> </ul>	<p><b>Hula Skirt</b>  <b>No. 14976-0-750</b></p> <ul style="list-style-type: none"> <li>• 3/4" x 50 yd</li> <li>• Yellow/black/yellow woven barricade webbing</li> <li>• Glo-reinforced barricade tape strips</li> <li>• 12 strips every 12"</li> </ul>	<p><b>Sandbag</b>  <b>No. BSB</b></p> <ul style="list-style-type: none"> <li>• 14" x 26" Hi UV stabilized</li> <li>• Seamless circular woven polypropylene</li> <li>• Tie cord attached</li> <li>• 100 bags / bundle</li> <li>• Shipping weight: 9 lb / 100</li> </ul>

## Fence



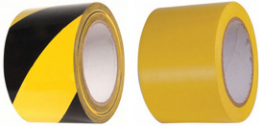
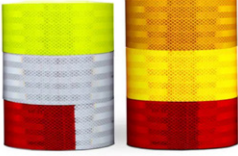
<p><b>Orange Safety Fence</b>  <b>No. 48X50E</b></p> <ul style="list-style-type: none"> <li>• 4' x 50' orange safety fence</li> </ul>	<p><b>Orange Safety Fence with (3) Bands of Caution Tape</b>  <b>No. 48X50-CAUTION</b></p>
<p><b>Green Safety Fence</b>  <b>No. 48X50-G</b></p> <ul style="list-style-type: none"> <li>• 4' x 50' green safety fence</li> </ul>	<p><b>Heavy Duty Orange Snow Fence</b>  <b>No. SF5048100</b></p> <ul style="list-style-type: none"> <li>• 4' x 100' heavy duty snow control fence 37#</li> </ul> <p><b>No. SF504850</b></p> <ul style="list-style-type: none"> <li>• 4' x 50' heavy duty snow control fence 18#</li> </ul>



See T posts on page 38 (with U-channel posts)

# Tape & Measuring Tools

## Tape

			
<p><b>Barrier Tape</b>  <b>No. BARRIER1</b>          Caution Do Not Enter  <b>No. BARRIER3</b>          Caution/Caution  <b>No. BARRIER4</b>          Caution Police Line Do Not Cross</p> <ul style="list-style-type: none"> <li>• 3" x 1000 ft, heavy duty 3 mil, disposable</li> <li>• 12 rolls / carton</li> <li>• Shipping weight: 27 lb / carton</li> </ul>	<p><b>Flagging Tape</b>  <b>No. FLAGGING</b></p> <ul style="list-style-type: none"> <li>• 1<sup>3</sup>/<sub>16</sub>" x 150 ft rolls</li> <li>• 3 mil PVC material</li> <li>• Identifies stakes, boundaries, and dangerous areas</li> <li>• 12 rolls / carton</li> <li>• Shipping weight: 5 lb / carton</li> <li>• Standard stock colors: Pink or Orange, other colors available upon request</li> </ul>	<p><b>Floor &amp; Aisle Marking</b>  <b>No. T-202</b> Black/Yellow  <b>No. T-203Y</b> Yellow  <b>No. T-203R</b> Red</p> <ul style="list-style-type: none"> <li>• 2" x 36 yd</li> <li>• Self-adhesive vinyl tape</li> <li>• Will adhere to clean surface</li> <li>• Ideal for marking hazards</li> <li>• Shipping weight: 1 lb / roll</li> </ul>	<p><b>Conspicuity Tape</b>  <b>Dot-C2</b>  <b>No. 2x30RW</b>          2" x 30' Red &amp; White (11"/7")  <b>No. 2x150RW</b>          2" x 150' Red &amp; White (11"/7")  <b>No. 2x150RW2</b>          2" x 150' Red &amp; White (6"/6")  <b>No. 2x150W</b>          2" x 150' Solid White</p> <p>A highly reflective vehicle tape product that meets or exceeds the requirements of NHTSA FMVSS 108 (49 CFR 571), ASTM D4956, and Transport Canada TSD 108 and carries the DOT-C2 watermark certification for compliance.</p>

## Keson Measuring & Marking Products

### Measuring Tools



Part No.	Description	Units
PGPRO1025V	25 ft x 1"	1/10, 1/100
PGPRO1825V	25 ft x 1"	1/8, 1/16
PGPRO1830V	30 ft x 1"	1/8, 1/16
WR1810	6 ft x 5/8" wooden ruler	

### Measuring Wheel

Part No.	Description	Units
RRT12	12" diameter 3 ft circumference	feet & inches



### Marking Chalk



Part No.	Description
8B	Prochalk Level 1 standard blue 8 oz
8GO	Prochalk Level 2 hi-viz glo-orange 8 oz
8R	Prochalk Level 3 semi-permanent red 8 oz
105GO	Prochalk Level 2 hi-viz glo-orange 5 lb

### Chalk Reel Line

Part No.	Description
P100	100 ft bold string holds 3 oz chalk
G100	150 ft bold string holds 1 lb of chalk



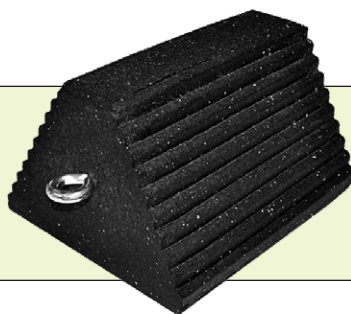


# Truck Safety

## Wheel Chocks

### Heavy Duty Rubber Wheel Chock with Chain Eye No. W78V-E

- 10" x 8" x 6" recycled rubber



## Ratchet Straps

### 30 Foot Commercial Grade Ratchet Tie Down with Double J-Hooks No. 5483000

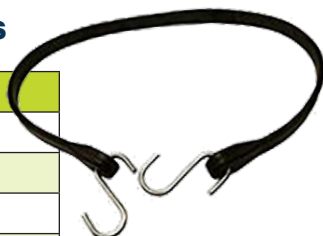
- Working load limit of 3300 lb
- Break strength of 10,000 lb
- High-strength 2" x 30' polyester strap for lasting durability
- Robust holding power to safely secure heavy cargo
- Wide through-handle design provides a comfortable full-hand grip with or without gloves for enhanced power and control
- Ratchet mechanism allows for precise tension adjustments to safely secure all loads
- Double J hooks provide secure attachment to anchoring hardware
- White zinc-plated for corrosion resistance
- Great for securing large loads, equipment, building supplies, and more

### 12 Foot Ratchet Tie Down (2 Pack) No. RTD211218

- Working load limit of 600 lb
- Break strength of 1800 lb
- High-strength 1" x 12' polyester strap for lasting durability
- Ratchet mechanism allows precise tension adjustments to secure loads of all shapes and sizes
- Coated steel S hooks provide easy attachment and help prevent damage to your vehicle
- Vinyl-coated steel hooks help prevent damage to your vehicle.
- Padded handle and thumb release button offer a comfortable grip while securing and releasing your cargo
- Zinc-plated for corrosion resistance
- Product common use: trailers, tie points, cargo control

## Tarp Straps with Hooks

Part No.	Size
CC8409	9"
CC8415	15"
CC8421	21"
CC8431	31"



**General purpose and heavy duty truck tarps available in varying sizes**

## Diesel Truck Safety

Part No.	Description
PSVC8026	<b>Power Service Diesel 911</b> <ul style="list-style-type: none"> <li>• 26 fl oz</li> <li>• Restores flow of fuel to engine caused by gelled fuel or frozen fuel-filters</li> </ul>
HOWE103062	<b>Howes Diesel Treat Anti-Gel</b> <ul style="list-style-type: none"> <li>• 32 fl oz</li> <li>• Fuel lubricator</li> <li>• Prevents deposits and removes water</li> </ul>
POLAR062	<b>Polar De-Icer</b> <ul style="list-style-type: none"> <li>• 11.5 oz</li> <li>• Quickly melts ice and frost on vehicle windows and headlights</li> <li>• Sold individually or 12 per case</li> </ul>



# Warning Lights



Part No.	Description
<b>ELT-RB</b>	Red & blue law enforcement only elite series
<b>ELT-GYGY</b>	Yellow & green elite series
<b>ELT-WGY</b>	White & green & yellow elite series
<b>ELT-WO</b>	White & orange elite series
<b>ELT-WY</b>	White & yellow elite series
<b>ELT-WYWY</b>	White & yellow / white & yellow elite series
<b>MCR-WY</b>	White & yellow micro series

## Guardian Angel LED Safety Device

- 360° light quickly attaches to hard hats/helmets, traffic cones, vest and more with built-in rare-Earth magnet & mounts
- Elite series: 18 LEDs, 150 hour runtime, visible 5+ miles
- Micro series: 14 LEDs, 62 hour runtime, visible 3+ miles

**Numerous color variations, features and accessories to choose from. Please call for more information.**

## Ultra Thin 5-Inch LED Strobe Light Series

- Ultra-slim .26 in. profile mounts into tight spaces
- 12–24V strobe light features 23 flash patterns with alternating and synchronous features
- Includes 3M™ self-adhesive tape for simple fastening
- Backed with a 5 year warranty
- IPX8 waterproof rated
- Solid colors have a SAE J595 Class 1 rating and are CA13 certified

Part No.	Description
<b>8892200</b>	All amber LED ultra thin surface mount strobe light
<b>8892202</b>	3 amber + 3 clear LED ultra thin surface mount strobe light
<b>8892208</b>	3 amber + 3 blue LED ultra thin surface mount strobe light



## Class 1 Low Profile Oval LED Mini Light Bar

- Size: 6.69" × 9.88" bar
- Comprised of 40 LEDs and features 20 adjustable flash patterns
- Mounts to vehicle with heavy duty magnetic feet or with included mounting studs
- Includes 15 ft power cord with accessory power plug, on/off switch, and momentary switch
- Backed with a 5 year warranty
- Rated SAE J845 Class 1
- Product common use: snow plow truck, work truck, pickup trucks, trailers

Part No.	Description
<b>8891080</b>	All amber
<b>8891082</b>	Amber + Clear

## 15-Inch Octagonal LED Mini Light Bar Series

- Size: 15" octagon
- 12–24V light features 10 adjustable flash patterns
- Mounts to vehicle with heavy duty magnetic feet or included mounting studs
- Includes 15 ft power cord with accessory power plug, on/off switch, and momentary switch
- Backed with a 5 year warranty
- Amber light comes with a SAE J845 Class 1 rating
- Product common use: snow plow truck, work truck, pickup trucks, trailers



Part No.	Description
<b>8891060</b>	56 LED amber mini light bar
<b>8891062</b>	34 amber + 34 clear LED mini light bar
<b>8891068</b>	34 amber + 34 blue LED mini light bar



## Class 15-Inch Wide Amber Led Beacon

**No. SL502A**

- Can be permanently or magnetically mounted
- Includes 10 ft power cord with accessory power plug and built-in control switch for easy operation
- Plugs into your vehicle's auxiliary power port
- Rated SAE J845 Class 1



# Barricade Lights

<p><b>Model 2006 Type A/C Barricade Light</b>  <b>No. 2006 or 2006-R</b></p> <ul style="list-style-type: none"> <li>• Type A, C and 3-way, 3-volt high efficiency lights</li> <li>• Impact-absorbing breakaway candles reduce internal damage</li> <li>• Can operate on 2 or 4 D-cell batteries</li> <li>• Battery life: 6–7 months on 4 alkaline D-cell batteries</li> <li>• Meets MUTCD and ITE standards</li> <li>• Available in red color lens</li> <li>• Yellow base is standard, other colors available upon request</li> <li>• 10 per box / 36 boxes per pallet</li> </ul>	<p><b>Model 2006 + Solar Assist Barricade Light</b>  <b>No. 2006+ or 2006+R</b></p> <ul style="list-style-type: none"> <li>• Internal solar panels trickle charge D-cell alkaline batteries</li> <li>• Battery life: 19–20 months on 4 alkaline D-cell batteries</li> <li>• Internal solar panels prevent damage and theft</li> <li>• Candles from Model 2006 and 2006+ Solar Assist are interchangeable</li> <li>• Meets MUTCD and ITE standards</li> <li>• Available in red color lens</li> <li>• Yellow base is standard, other colors available upon request</li> <li>• 10 per box / 36 boxes per pallet</li> </ul>	<p><b>Model 2006-S SolarType A/C Solar</b>  <b>No. 2006S or 2006SR</b></p> <ul style="list-style-type: none"> <li>• True solar light with all circuitry in head assembly</li> <li>• Solar panels charge internal high-capacity NiMH rechargeable battery</li> <li>• Battery life: 5 years in either mode on 4 alkaline D-cell batteries</li> <li>• Meets MUTCD and ITE standards</li> <li>• Available in red color lens</li> <li>• Yellow base is standard, other colors available upon request</li> <li>• 10 per box / 36 boxes per pallet</li> </ul>
<p><b>Model 212-3 Solar Type B</b>  <b>No. 212-3SOLAR-A or 212-3SOLAR-R</b></p> <ul style="list-style-type: none"> <li>• Solar panel recharges 3 built-in high-capacity NiMH batteries</li> <li>• Battery life: approximately 4 years</li> <li>• Meets MUTCD and ITE standards</li> <li>• Available with L-bracket mount</li> <li>• Available in red color lens</li> <li>• Yellow base is standard, other colors available upon request.</li> <li>• 6 per box / 36 boxes per pallet</li> </ul>	<p><b>Model 400 Standalone Flare Light</b>  <b>No. FLARE-LITE</b></p> <ul style="list-style-type: none"> <li>• Comes with a 3-way photocell switch</li> <li>• Meets MUTCD and ITE standards</li> <li>• Available in amber or red</li> <li>• Available in single- or double-sided</li> <li>• Comes with carry handle and S hook</li> <li>• Battery life: approximately 30 days using two 6-volt batteries</li> <li>• 1 per box</li> </ul>	<p><b>Type A Sequential Device</b>  <b>No. TYPEA-S</b></p> <ul style="list-style-type: none"> <li>• Continuously lit with a momentary flash that sequences through lights</li> <li>• Meets MUTCD and ITE standards</li> <li>• Synchronized circuits communicate up to 1,000 ft without line of sight, automatically positioning themselves in the correct sequence</li> <li>• Available in solar and non-solar options</li> <li>• Yellow base is standard, other colors available upon request</li> <li>• 10 per box / 30 boxes per pallet</li> </ul>

## Batteries

<p><b>No. 6V-HD</b></p> <ul style="list-style-type: none"> <li>• 6V spring terminal battery</li> <li>• Heavy duty industrial grade</li> <li>• 12 batteries / case</li> <li>• Shipping weight: 17 lb</li> </ul>	<p><b>No. AL-D</b></p> <ul style="list-style-type: none"> <li>• Alkaline D-cell batteries</li> <li>• For high drain frequent use devices</li> <li>• 6 batteries / package</li> <li>• Sold in package quantities only</li> <li>• Shipping weight: 2 lb</li> </ul>
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## Wanco 25-Light 55-Watt LED Solar Powered Arrow Board

No. WTSP55-LSAC

- High-output amber LEDs
- Easy to operate and maintain
- Selectable arrow and display patterns with automatic dimming
- Heavy-duty hand-winch with safety brake for one-person board raising
- Locking device secures arrow board during use and transport
- Controller located safely away from traffic with resettable fuses
- Weather-resistant, lockable control box cover
- Short-circuit protection for control box outputs
- Stabilizer legs provide stability in high winds
- Energy-efficient for long run times
- Batteries charge via solar panels or commercial power
- Solar panels auto-disconnect when batteries are full
- Reverse polarity protection and low-voltage disconnect circuit
- Solid state voltage regulator with charge indicator

## Solar School Zone Caution Beacons

### School Zone Flashing Caution Beacon Kit

No. WCBSZ-55-3L

Package Includes:

- Two 12" polycarbonate heads with flashing amber LEDs and one 8" polycarbonate rear head with round pole mounting brackets
- Controller: Solid-State flasher (50–60 flashes / minute). Controls flash rate, night dimming, solar charging and LVD
- Time switch: Load school year schedule on 365 day timer, manual programming
- Cable length: 15ft from head to battery box and 4ft from head to solar panel
- Solar panel: One 50W Solar Panel on tilted frame, mounts to 4" OD aluminum pole surface
- Batteries: Aluminum pole box with police key latch, two 12Vdc AGM batteries (150 Ah Total Capacity)

### School Zone Caution Beacon Options

Part No.	Description
105066-001	<b>School Zone Speed Limit Sign</b> <ul style="list-style-type: none"> <li>• 24" x 36"</li> <li>• includes pole mounting brackets</li> </ul>



## Pole-Mounted Radar Signs

- Weather-resistant aluminum cabinet
- Anti-glare frosted polycarbonate window
- Matrix display 13" or 26" LED amber characters
- Rotary knob selector switch
- Approach-only k-band speed radar (FCC approved)
- Commercial AC power supply
- Pole mount brackets on the back
- 5-year manufactured electronics warranty
- 2-year radar head warranty

### A/C Hard Wired Models

Part No.	Description
208793-C1	<b>Small Pole Mounted Hard-Wired Sign</b> <ul style="list-style-type: none"> <li>• 24" x 30" display</li> <li>• 13" LED character</li> <li>• 110 VAC power</li> </ul>
209547-C1	<b>Large Pole Mounted Hard-Wired Radar Sign</b> <ul style="list-style-type: none"> <li>• 36" x 36" display</li> <li>• 26" LED character</li> <li>• 110 VAC power</li> </ul>

### Solar Models

Part No.	Description
208328-C1	<b>Small Pole Mounted Solar Radar Sign</b> <ul style="list-style-type: none"> <li>• 24" x 30" display</li> <li>• 13" LED character</li> <li>• 65W solar panel</li> <li>• 2 AGM GRP 24 batteries (150 Ah total capacity)</li> </ul>
208544-C1	<b>Large Pole Mounted Solar Radar Sign</b> <ul style="list-style-type: none"> <li>• 36" x 36" display</li> <li>• 26" LED character</li> <li>• 65W solar panel</li> <li>• 2 AGM GRP 24 batteries (150 Ah total capacity)</li> </ul>

Ask about add-on options concerning electronics, communications, solar capabilities and mounting poles



# Spray Paint & Paint Applicators



Michael Todd is a proud distributor of all Aervoe products. Visit [aervoe.com](http://aervoe.com) to view their full-line catalog.

## Supreme Striping Paint

Top-of-the-line striping paint with the highest pigment, solids-to-weight ratio attainable with today's packaging technology.

- Solvent based for road surfaces
- Water based for athletic fields and road surfaces
- Fast drying: 15 minutes to touch
- VOC compliant and lead-free
- One case will yield a 4" strip approximately 700 linear feet
- Durable, long-lasting colors
- Non-clogging tip
- Apply with #800 or #801 Vers-A-Striper (see below)
- 20 oz can (18 oz net) / 12 per case / 19 lb per case

Solvent-Based		Water Based	
Item No.	Description	Item No.	Description
S701	Supreme White	S790	Athletic White
S702	Supreme Yellow	S791	Athletic Yellow
S750	Traffic Blue	S792	Athletic Blue
S770	Asphalt Black	S793	Athletic Red



## Survey Marking & Construction Paint

### Survey Marking Paint – 20 oz

Item No.	Description
S201	Red Invert
S202	Yellow Invert
S203	Blue Invert
S204	Green Invert
S207	White Invert
S222	Fl Orange Invert
S227	Fl Blue Invert
S229	Fl Pink Invert

### Construction Marking Paint – 20 oz

Item No.	Description
S247	Fl Orange Invert
S249	Fl Pink Invert
S254	Blue Invert
S255	White Invert
S256	Red Invert
S259	Green Invert



- Colors meet OSHA and APWA/ One-Call systems standards
- Not affected by moisture
- Spray-through cap eliminates accidental discharge and empties completely
- High delivery (HD) tip and valve system
- Survey Marking Paint: regular colors last up to 6 months, fluorescent colors will last 3–6 months depending on traffic and exposure
- Construction Marking Paint: color durability lasts 3 months

## Vers-A-Striper®

No. S800

A heavy-duty, yet lightweight, applicator for Aervoe striping paint on pavement/concrete surfaces.

- For use on hard surfaces such as asphalt and concrete
- Stripe widths up to 4"
- Includes a striping alignment guide
- Weight: 26 lb
- Dimensions: 30.25 x 13 x 10.25 in



## Aervoe Marking Stick

No: S245

- 34" handheld inverted marking paint applicator with new ergonomically designed trigger and grip
- For use with Aervoe survey and construction inverted marking paints



## Graco LineLazer Sprayers

Airless Stripers for Professional Contract Striping

### LineLazer 3400

The LineLazer 3400 is the professional choice for dependable, 1-gun striping for small parking lots, mini malls, seal coating contractors, schools and park and recreation departments.

- Rear mount hose wrap allowing easier stencil job and on/off functionality
- Accepts 15 gal hopper and EZ bead system
- Operator controls on handlebars
- New handlebar design reducing vibration for less operator fatigue
- Electronic pressure control
- Endurance chromex pump
- Honda GX Engine with oil alert
- Easy out pump filter
- Front swivel wheel for easier maneuverability for striping right up to curb



### LineLazer V 3900

For those advanced striping jobs that require layout work or skip lines, the LineLazer V 3900 Series line striper includes additional features to help you work smarter, finish jobs faster and increase your profitability.

- LiveLook display with SmartControl — track, measure and control every aspect of your job
- Honda GX engine — easy-to-start power with oil alerts
- EasyMark gun adjustment system
- EZ align wheel system
- DualComfort handlebar system
- Options: Standrod or HP Automatic
- Gun Activation Options: 1 Automatic & 1 Manual, 2 Manual, or 2 Automatic
- Attachments: None, Lazerguide 1700, or Lazerguid 2000

Specifications	LineLazer 3400	LineLazer 3900
Max Tip Size	0.027 in	0.036 in
Max Working Pressure (psi / bar)	3,300 / 227	3,300 / 227
Max Output (gpm / 1pm)	0.75 / 2.8	1.25 / 4.7
Applications	Turf & pavement	Turf & pavement
Honda GX Engine (cc / hp)	160 / 73	230 / 104 Standard Unit 240 / 109 HP Automatic Units
Gun Support	1 Gun: 0.027	1 Gun: 0.036 2 Gun: 0.025

**Ask about high-performance striping accessories to maximize job site productivity**



# Traffic Paint & Temporary Pavement Marking

## Ennis-Flint by PPG Traffic Paint

This pavement marking paint offers a full line of traffic paints in both waterborne and solvent base formulations. From highway striping to parking lot delineation, choose from our versatile selection of traffic paints for your next project.

Waterborne traffic paint is formulated for use in temperatures as low as 35° to as high as 120° Fahrenheit.

Solvent based paints are low VOC and copolymer-based, and are especially suitable for colder climates where waterborne cannot be used.

### Glass Beads

#### Part No. BEADS

- Optimal embedment for maximum reflectivity
- Moisture proof properties to ensure application ease
- Encapsulated to promote maximum adhesion
- 50 lb bags
- Specify whether beads are for water-based or oil-based paint

## Fed Spec III – Striping/ Traffic Paint – Fast Dry

Item No.	Color
985201-5P	White
985202-5P	Yellow
985203-5P	Black
985204-5P	Red
985205-5P	Blue
985206-5P	Green

## Fed Spec III – High Build Striping/Traffic Paint

Item No.	Color
985221-5P	White
985222-5P	Yellow

## Dura Sheen (Gloss Paint – High Durability)

Item No.	Color
985301-5P	White
985302-5P	Yellow

## Solvent Based Paint

Item No.	Color
985691-5SL	White
985697-5SL	Yellow

## Form-Flex Marking Stencils



Over 300 standard poly vinyl stencils available with thicknesses of 1/8" and 1/16" gauge to withstand heavy use. All stencils are designed to meet D.O.T. specs nationwide.

Please visit [americanstencil.com](http://americanstencil.com) for a complete catalog.

## Performed Thermoplastic Pavement Markings

Offering exceptional durability and engineered to last up to 6 to 8 times longer than traditional waterborne paint, these heavy-duty, preformed thermoplastic pavement marking materials deliver long-lasting durability, retro reflectivity, skid resistance, and cost effectiveness.

Preformed thermoplastics are ideal for transverse markings such as lines, legends, arrows, symbols, heavy-duty intersection crosswalks, and custom horizontal surface signage.

**Call for more information and pricing.**



### Temporary Pavement Striping Tape

**No. PAVE 100W** White

**No. PAVE 100Y** Yellow

- 4" x 100 yd
- For temporary traffic control in work zones
- High-index glass beads for maximum reflectivity
- Built on a rugged conformable aluminum base that molds to any road surface
- Simple unwinding and superior holding power
- 2 rolls per box / 18 lb per package



### Temporary Chip Seal Markers (TRPM)

**No. TRPM-W1** White 1-way marker

**No. TRPM-Y2** Yellow 2-way marker

- Effective guidance in work zones both day and night
- Easy placement prior to chip sealing
- Remove protective cover after sealing to expose a bright surface day and night and in all conditions
- Colors: White or Yellow
- 500 markers per package



### Temporary Overlay Marker (TOM)

**No. TOM-W1** White 1-way marker

**No. TOM-Y2** Yellow 2-way marker

- Identical body to TRPM marker without the clear plastic removable cover
- Used for lane delineation in temporary work zones that involve asphalt paving projects
- Colors: White or Yellow
- 500 markers per package

# Delineators & Speed Bumps

## Reboundable Delineators

Reboundable delineators are economical surface mounted delineator posts made from UV resistant urethane and provide 180° to 360° reflectivity.

Posts can be attached to a flexible Urethane base for high-speed applications, or an ABS plastic base for lower-speed applications and can adhere to the road surface with SuperBundy® adhesive pads, 2.5" concrete bolts, or 4" asphalt bolts.

### Base Options

- URETHANE 19700B designed for high speed / higher impact applications
- ABS 19300B & 19500B designed for lower speed / lower impact applications

### Post Options

- Styles: 2.2" round, 2.2" round with flat top, or 3" round & cloverleaf top
- Colors: Orange, White, or Yellow
- Lengths: 18", 28", 36", 42", or 48"



## Parking Curbs and Speed Bumps

Part No.	Size	Weight	Hrdw.
<b>SB48N-S</b>	4' speed bump with 2 yellow stripes only, no hardware. 48"L x 12"W x 2.5"H (nominal)	35 lb	3
<b>SB48N-SE</b>	4' speed bump with 6 cat eye reflectors and 2 yellow stripes only	35 lb	3
<b>SB72N-S</b>	6' speed bump with 3 yellow stripes only, no hardware. 72"L x 12"W x 2.5"H	52 lb	4
<b>SB72N-SE</b>	6' speed bump with 8 cat eye reflectors and 3 yellow stripes only	52 lb	4
<b>SBE CN</b>	End cap for 2.5" tall speed bumps only, no hardware. 7"L x 12.25"W x 2.5"H	3.5 lb	2
<b>ST-4Y</b>	4' parking stop with 2 yellow stripes on each side only, no hardware 48"L x 6"W x 4.5"H	30 lb	3
<b>STN-6Y or 6W</b>	6' parking stop with 4 yellow or white stripes on each side only, no hardware 72"L x 6"W x 4.5"H	35.5 lb	4
<b>XASPHALT</b>	Asphalt installation hardware for speed bumps & humps and parking stops. Includes 1 piece each of 14" x 1/2" rebar spike and 5/8" washer	1 lb	
<b>XCONCRETE</b>	Concrete installation hardware for speed bumps & humps. Includes 1 piece each of 4 1/2" lag bolt, 2" lag shield, 1/2" washer	1 lb	
<b>XCONCRETE-ST</b>	Concrete installation hardware for parking stops. Includes 1 piece each of 6" lag bolt, 2" lag shield, 1/2" washer	1 lb	



### Parking Curb

#### No. SB72N-S

- 1/10 weight of concrete
- Better visibility than concrete curbs
- Easy to install



### Speed Bump

#### No. STN6-Y

- Withstands 120,000 lb
- Channeled bottom allows for cabling or piping and facilitates drainage
- Built in reflectors for added safety and visibility



# Delineators & Markers

## Delineator Posts

### No. DP6

- 6 ft 1.12 lb per foot green delineator post

### No. DP7

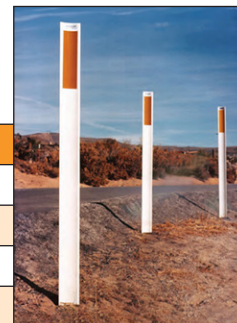
- 7 ft 1.12 lb per foot green delineator post



## Carsonite Posts

- Sheeting options: high-intensity grade white or yellow, single or double sided

Item No.	Description
72PW1	72" white carsonite post no sheeting
72PY1	72" yellow carsonite post no sheeting
62PW1	62" white carsonite post no sheeting
62PY1	62" yellow carsonite post no sheeting



Ask about Curv-Flex road markers

## Reflectors & Markers

<b>Button Delineators</b> <b>No. 18</b> <ul style="list-style-type: none"> <li>• Size: 3¼"</li> <li>• Effective reflex area: 7 sq in</li> <li>• Backing: Plastic or Aluminum</li> <li>• Colors: Amber, Clear, Red, Green, or Blue</li> </ul>	<b>3-Spot Reflectors</b> <b>No. RF-3A</b> Amber on Yellow <b>No. RF-3R</b> Red on Red <ul style="list-style-type: none"> <li>• 3-Spot Reflectors 6" x 15"</li> <li>• .080 aluminum</li> </ul>	<b>Aluminum Reflectors</b> <b>No. RF-6A</b> Yellow <b>No. RF-6R</b> Red <b>No. RF-6W</b> White <ul style="list-style-type: none"> <li>• 3" x 8" engineer grade</li> <li>• .080 aluminum reflectors</li> </ul>	<b>Type III Object Marker</b> <b>No. G-105L</b> Left <b>No. OM-3C</b> Center <b>No. G-105R</b> Right <ul style="list-style-type: none"> <li>• 12" x 36"</li> </ul>
<b>Type I Object Marker</b> <b>No. OM1-3</b> Hi-Intensity Yellow Object Marker <b>No. RF-9A</b> 9-Spot Reflector Amber on Yellow <ul style="list-style-type: none"> <li>• 18" x 18"</li> <li>• .080 aluminum</li> </ul>	<b>Type II Object Marker</b> <b>No. OM2-2V</b> 6" x 12" Vertical Marker <b>No. OM2-2H</b> 12" x 6" Horizontal Marker <ul style="list-style-type: none"> <li>• Hi-intensity yellow</li> <li>• .080 aluminum</li> </ul>	<b>End of Road Marker</b> <b>No. RF-9R</b> 9-Spot Reflector Red on Red <b>No. RF-9BK</b> 9-Spot Reflector Red on Black <ul style="list-style-type: none"> <li>• 18" x 18"</li> <li>• .080 aluminum</li> </ul>	



# Post Guard® Bollards & Covers



## Post Guard Bollard Covers

Post Guard bollard covers are quick and easy to install. No tools or adhesives are required. Each cover includes 2 strips of installation foam. Simply cross the foam strips over the existing post and slide on the cover!



### Bollard Covers

- Two recessed reflective stripes — increased visibility and safety
- Quick and easy installation — a secure fit, no tools or adhesive needed
- High-density polyethylene (HDPE) with stronger intermolecular forces, tensile strength, and solvent resistance

## Dome Top Covers

- Quick and easy installation — a secure fit, no tools or adhesive needed
- HDPE with stronger intermolecular forces, tensile strength, and solvent resistance



## Bolt Down Bollards

One-piece design with welded-on cap

Easy surface mount install — no core drilling or excavation

- Two wall thickness options:
  - Schedule 10 steel, 25 lb
  - Schedule 40 steel, 45 lb
- Optional base covers protect bolts and improve appearance
- 4" outer diameter
- 42" height
- 8" x 8" x 0.55" base
- Four ¾" holes for install



# Regulatory Signs

<b>No. R1-1</b> 18", 24", 30", 36"	<b>No. R1-2</b> 30", 36"	<b>No. R1-3B (3-Way)</b> <b>No. R1-3A (4-Way)</b> 12" x 6" <b>No. R1-4 (All-Way)</b> 18" x 6"	<b>No. R1-5L</b> 18" Substitute R for right arrow	<b>No. R1-5AL</b> 18" x 24" Substitute R for right arrow	<b>No. R1-6 (Yield)</b> <b>No. R1-6A (Stop)</b> 12" x 36"
<b>No. R2-1</b> 18" x 24", 24" x 30" Specify speed limit	<b>No. R2-5A</b> 24" x 30"	<b>No. R2-5E</b> 24" x 30"	<b>No. R3-1S</b> 24"	<b>No. R3-1A</b> 18" x 24"	<b>No. R3-1P</b> 24" x 18"
<b>No. R3-2S</b> 24"	<b>No. R3-2A</b> 18" x 24"	<b>No. R3-2P</b> 18" x 24"	<b>No. R3-4S</b> 24"	<b>No. R3-4A</b> 18" x 24"	<b>No. R3-4P</b> 18" x 24"
<b>No. R3-3</b> 24"	<b>No. R3-5A</b> 30" x 36"	<b>No. R3-5L (or R)</b> 30" x 36"	<b>No. R3-6L (or R)</b> 30" x 36"	<b>No. R3-7L</b> 30"	<b>No. R4-3</b> 24" x 30"
<b>No. R3-8</b> 30"	<b>No. R3-9A</b> 30" x 36"	<b>No. R3-9B</b> 24" x 36"	<b>No. R3-18</b> 24"	<b>No. R4-1</b> 24" x 30"	<b>No. R4-3</b> 24" x 30"
<b>No. R4-7A</b> 18" x 24"	<b>No. R4-7P</b> 24" x 18"	<b>No. R4-7S</b> 24" x 30"	<b>No. R4-8S</b> 24" x 30"	<b>No. R5-1</b> 24", 30"	<b>No. R5-1A</b> 30" x 18"

# Regulatory Signs

No. R5-2A 24" x 24"	No. R5-2P 24" x 18"	No. R5-2S 24"	No. R5-3 24"	No. R5-804 18" x 24"	No. R5-805 18" x 24"
No. R6-1R 36" x 12"	No. R6-1L 36" x 12"	No. R6-2R 18" x 24", 24" x 30"	No. R6-2L 18" x 24", 24" x 30"	No. R-63 18" x 24"	No. R8-3S 12", 24"
No. R-94 18" x 24"	No. R-95 18" x 24"	No. R14-3 18" x 24"	No. R10-6 24" x 36"	No. R10-7 24" x 30"	No. R10-11A 24" x 30"
No. R10-12 24" x 30"	No. R11-2 48" x 30"		No. R11-4 60" x 30"		No. R11-5 24"
No. R12-1 18" x 24", 24" x 30" Specify weight	No. R12-3 24" x 36" Specify Weight	No. R12-5 24" x 36" Specify Weight	No. R14-2 24" x 18"	No. R15-1 48" x 9"	No. R42-1 24", 36"

Check with your state DOT for specifications.



# Warning Signs

No. W1-1L* 24", 30", 36"	No. W1-2L* 24", 30", 36"	No. W1-3L* 24", 30", 36"	No. W1-4L* 24", 30", 36"	No. W1-5L* 24", 30", 36"	No. W1-6 36" x 18", 48" x 24"
No. W1-7 36" x 18", 48" x 24"	No. W1-8 12" x 18", 18" x 24"	No. W2-1 24", 30", 36"	No. W2-2 24", 30", 36"	No. W2-3L* 24", 30", 36"	No. W2-4 24", 30", 36"
No. W2-5 24", 30", 36"	No. W2-66 24"	No. W3-1A 24", 30", 36"	No. W3-1S 24", 30", 36"	No. W3-2A 24", 30", 36"	No. W3-2 24", 30", 36"
No. W3-3A 30", 36"	No. W3-3S 30", 36"	No. W3-5^ 36" Specify speed limit	No. W4-1L* 24", 30", 36"	No. W4-2L* 30", 36"	No. W4-4P 24" x 12", 30" x 15"
No. W5-1 30", 36"	No. W5-2 24", 30", 36"	No. W5-3 24", 30", 36"	No. W5-5 24", 30"	No. W6-3S 30", 36"	No. W8-1 24", 30", 36"
No. W7-1A 24", 30", 36"	No. W7-1S 24", 30", 36"	No. W8-2 24", 30", 36"	No. W8-3A 24", 30", 36"	No. W8-4 24", 30", 36"	No. W8-6 24", 30", 36"

# Warning Signs

No. W8-5A 24"	No. W8-5S 24", 30", 36"	No. W8-7 24", 30", 36"	No. W8-8 24", 30", 36"	No. W8-9 24"	No. W9-1L 24", 30", 36"
No. W11-1S 24", 30", 36"	No. W11-2A 24", 30", 36"	No. W11-2P 18" x 12", 24" x 18"	No. W16-7A 24" x 12", 30" x 18"	No. W16-9P 24" x 10", 36" x 20"	No. W9-1R 24", 30", 36"
No. W9-2L 24", 30", 36"	No. W9-2R 24", 30", 36"	No. W10-1 30", 36"	No. W11-3S 24", 30", 36"	No. W11-4S 24", 30", 36"	No. W11-5S 24", 30", 36"
No. W11-6 24", 30", 36"	No. W11-7S 24", 30", 36"	No. W11-8S 24", 30", 36"	No. W11-9 24", 30", 36"	No. W11-10 24", 30", 36"	No. W12-1 24", 30", 36"
No. W12-2S 30", 36"	No. W13-1 18", 24"	No. W14-1 24", 30", 36"	No. W14-2 24", 30", 36"	No. W14-3 36" x 48" x 48"	No. W15-1 24", 30", 36"
No. W16-3 30"	No. W16-4 24"	No. W16-5 24"	No. W16-7 24"	No. G-52 18" x 24"	No. G-118 18" x 24"

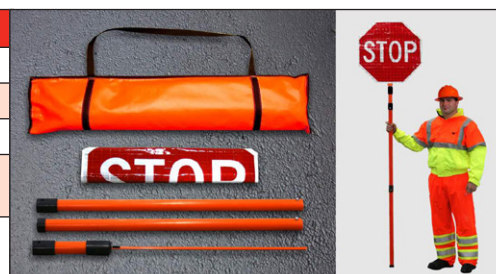


# Construction Signs

<b>No. W20-1*</b> 24", 30, 36", 48"	<b>No. W20-2*</b> 36", 48"	<b>No. W20-3*</b> 36", 48"	<b>No. W20-4*</b> 36", 48"	<b>No. W20-5L*</b> 36", 48"	<b>No. W20-5R*</b> 36", 48"
<b>No. W20-7*</b> 36", 48"	<b>No. W20-7S</b> 30", 36", 48"	<b>No. W21-1</b> 24", 30", 36"	<b>No. W21-1A</b> 30", 36", 48"	<b>No. W21-2</b> 24", 30", 36"	<b>No. W21-3*</b> 30", 36", 48"
<b>No. W21-5</b> 30", 36", 48"	<b>No. W21-6</b> 30", 36", 48"	<b>No. W21-7</b> 24", 30"	<b>No. W23-1</b> 30", 36", 48"	<b>No. W3-4</b> 30", 36", 48"	<b>No. W8-1</b> 30", 36", 48"
<b>No. W8-6</b> 30", 36", 48"	<b>No. W8-7</b> 30", 36", 48"	<b>No. W8-8</b> 30", 36", 48"	<b>No. G20-1</b> 60" x 36"	<b>No. G20-2</b> 60" x 24"	<b>No. G20-4</b> 36" x 18"
<b>No. M4-9R</b> 30" x 24"	<b>No. M4-9L</b> 30" x 24"	<b>No. M4-10R</b> 48" x 18"	<b>No. M4-10L</b> 48" x 18"	<b>No. SMV</b> 16 1/4" x 14"	

## Stop/Slow Paddles

Part No.	Description
<b>STOP-FACE-24HI</b>	24" Stop/Slow face HIP .080 aluminum (handle sold separately)
<b>STOP-POLE-84</b>	84" adjustable telescope pole
<b>P24HIA</b>	12" orange paddle handle
<b>SB243A6</b>	24" super bright hi-int roll-up Stop/Slow sign with 7ft orange handle & bag
<b>SB243AT</b>	24" super bright hi-int roll-up stop/slow sign with telescopic orange handle and case



# Roll-Up Signs & Stands

## Roll-Up Signs

We specialize in standard and custom roll-up signs utilizing overlays for DOT's, Telcos, Power Utilities, Road Contractors, City and County Governments, Mowing Crews, Landscapers, Utility Contractors, Barricade Rental Companies and many more. Call in for a quote today!

### Marathon:

Reflexite high performance marathon fluorescence signs feature long lasting fluorescent color and outstanding day and night visibility.

- High photometric for superior reflectivity in low light conditions
- Available in: fluorescent orange, fluorescent yellow-green (lime), non-fluorescent white, fluorescent yellow

### Diamond Grade:

3M™ Diamond Grade™ Roll-Up Sign Sheeting Series RS20/RS24 is a visible light-activated fluorescent wide-angle prismatic lens reflective sheeting for the production of roll-up traffic control signs used in construction work zones.

- Features a strong, flexible, gray-coated fabric backing
- Offers higher daytime brightness than nonfluorescent colored sheeting
- Provides higher nighttime brightness compared to glass bead lenses

### Hi-Intensity:

3M™ roll-up hi-intensity sign sheeting series RS30 consists of retroreflective microprisms formed on a flexible glossy and UV-stabilized polymeric film, designed for the production of roll up traffic control signs used in work zones and emergency traffic control.

- Designed to provide higher nighttime sign brightness
- Has a protective film on the facing side and is backed with a heavy duty vinyl coated fabric

### Premium Mesh:

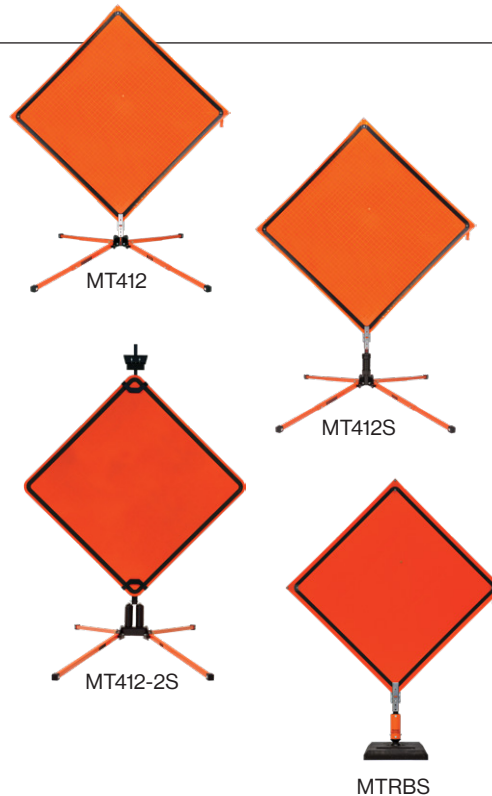
- Non-reflective and only approved for daytime use
- Flexible, breathable, and mildew resistant
- High strength and durability, along with superior color visibility, make this fabric ideal in safety applications

Part No.	Description
MT36M	36" Marathon
MT36D	36" Diamond Grade
MT36RE	36" Hi-Intensity
MT36PM	36" Premium Mesh
MT48M	48" Marathon
MT48D	48" Diamond Grade
MT48RE	48" Hi-Intensity
MT48PM	48" Premium Mesh

## Sign Stands

Part No.	Description
MT412*	Quad sign stand / springless
MT412S*	Quad sign stand / single spring
MT412-2S*	Quad sign stand / double spring / for rigid signs
MTRBS *	Rubber-based sign stand
T55	Tripod sign stand / powder coated
93012	Tripod sign stand for rigid signs
93012-RUB	Tripod sign stand for roll-up signs

\*Auto-latch bracket standard. For universal mounting bracket add "UB" to part number



# Roll-Up Signs

## Standard Legends

Standard Legends		
ACCIDENT AHEAD	LANE CLOSED AHEAD	ROAD WORK 500 FT
ARROW (REVERSIBLE)	LANE ENDS MERGE LEFT	ROAD WORK 1000 FT
BLANK MATERIAL (NO LEGEND)	LEFT LANE CLOSED AHEAD	ROAD WORK 1500 FT
BORDER ONLY	LITTER PICK UP AHEAD	SHOULDER WORK AHEAD
BE PREPARED TO STOP	MEN WORKING	STREET CLOSED
BEGIN MOWING ZONE	MERGE LEFT SYMBOL	STREET CLOSED AHEAD
BUMP	MERGE RIGHT SYMBOL	SURVEY CREW AHEAD
BUMP AHEAD	MERGE LEFT/RIGHT SYMBOL (COMBO)	TREE WORK AHEAD
CHILD SAFETY SEAT CHECK AHEAD	MOWERS AHEAD	TRUCKS ENTERING HIGHWAY
CONSTRUCTION AHEAD	MOWING AHEAD	UTILITY CONSTRUCTION AHEAD
DETOUR AHEAD	ONE LANE CLOSED AHEAD	UTILITY CONSTRUCTION 500 FT
EMERGENCY SCENE AHEAD	ONE LANE ROAD AHEAD	UTILITY CONSTRUCTION 1000 FT
END CONSTRUCTION	RIGHT LANE CLOSED AHEAD	UTILITY CONSTRUCTION 1500 FT
END MOWING ZONE	RIGHT SHOULDER CLOSED	UTILITY WORK AHEAD
END ROAD WORK	ROAD CLOSED	UTILITY WORK 500 FT
END UTILITY WORK	ROAD CLOSED AHEAD	UTILITY WORK 1000 FT
FLAGGER AHEAD	ROAD CONSTRUCTION AHEAD	UTILITY WORK 1500 FT
FLAGGER SYMBOL	ROAD CONSTRUCTION 500 FT	WORK AREA AHEAD
FLAGMAN AHEAD	ROAD CONSTRUCTION 1000 FT	WORKERS AHEAD
FREE CAR SEAT CHECK	ROAD CONSTRUCTION 1500 FT	WORKER SYMBOL
FRESH OIL	ROAD WORK AHEAD	Custom Signs Available

## Standard Overlays

**36" Roll-up Overlays** — 6" x 16" (LEFT/CENTER), 7" x 22" (Footage), 9" x 28" (Transition)

**48" Roll-up Overlays** — 8" x 23" (LEFT/CENTER), 8" x 30" (Footage), 12 x 38½" (Transition)

Custom size overlays are available upon request

Overlays			
500 FT	¼ MILE	ONE	Reversible arrow
1000 FT	½ MILE	LEFT	Bar for left/right merge
1500 FT	¾ MILE	RIGHT	Blank for left/right
2000 FT	1 MILE	CENTER	Custom Overlays Available





# Cone Signs

					
No. A100	No. A101	No. A102	No. A103	No. A104	No. A105
					
No. A106	No. A107	No. A108	No. A109	No. A110	No. A111
					
No. A112	No. A113	No. A114	No. A115	No. A116	No. A118
					
No. A119	No. A120	No. A121	No. A122	No. A123	No. A124
					
No. A125	No. A128	No. A130	No. A131		



# School & Surveillance Signs

## School Signs

<b>No. S1-1</b> 30" x 36"	<b>No. W16-7A</b> 24" x 12", 30" x 18"	<b>No. W16-9P</b> 24" x 12", 30" x 18"	<b>No. W-29</b> 24"	<b>No. S3-1</b> 30"	<b>No. S4-7</b> 24" x 48"
<b>No. S4-4</b> 24" x 10"	<b>No. R-90</b> 12" x 18"	<b>No. S2-14</b> 12" x 18"	<b>No. S2-15</b> 12" x 18"	<b>No. S2-23</b> 18" x 18"	<b>No. HS-2</b> 6" metal handle <b>No. HS-10</b> 6" wood handle
<b>No. S4-2</b> 24" x 10"	<b>No. G-1</b> 18" x 24"	<b>No. G-2</b> 18" x 24"	<b>No. G-4</b> 18" x 24"	<b>No. G-8</b> 18" x 24"	<b>No. G-200</b> 18" x 24"

## Pool Signs

<b>No. S2-18</b> 18" x 18"	<b>No. S2-19</b> 18" x 18"	<b>No. S2-20</b> 12" x 18"	<b>No. S2-21</b> 12" x 18"

## Weapons Signs

<b>No. WEAPON1411</b> 14" x 11"	<b>No. WEAPON2014</b> 20" x 14"

## Surveillance Signs

<b>No. G-117</b> 18" x 24"	<b>No. G-400</b> 18" x 24"	<b>No. G-120</b> 12" x 18"

## Courtesy Signs

<b>No. S-2418</b> 24" x 18"	<b>No. S-1824</b> 18" x 24"	<b>No. R-116</b> 12" x 18"	<b>No. R-118</b> 12" x 18"	<b>No. R-210</b> 12" x 18"



# Disabled & Traffic Control Signs

<b>No. R7-8</b> 12" x 18"	<b>No. R7-8N</b> 12" x 18"	<b>No. G-40</b> 12" x 18"	<b>No. G-42</b> 12" x 18"	<b>No. G-53</b> 12" x 18"	<b>No. G-55</b> 12" x 18"	<b>No. G-64</b> 12" x 18"	<b>No. G-65R</b> 12" x 18"	<b>No. G-65N</b> 12" x 18"	<b>No. G-65L</b> 12" x 18"
<b>No. CW-18</b> 12" x 18"	<b>No. G-13D</b> 12" x 6"	<b>No. G-13F</b> 12" x 6"	<b>No. G-13I</b> 12" x 6"	<b>No. G-68B</b> 12" x 6"	<b>No. G-74</b> 12" x 6"	<b>No. G-62B</b> 12" x 6"	<b>No. D9-6</b> 12", 18", 24"		
<b>No. G-20</b> 12" x 18"	<b>No. G-21</b> 12" x 18"	<b>No. G-22</b> 12" x 18"	<b>No. G-27</b> 12" x 18"	<b>No. G-28R</b> 12" x 18"	<b>No. G-28L</b> 12" x 18"	<b>No. G-29</b> 12" x 18"	<b>No. G-78</b> 12" x 18"	<b>No. G-80</b> 12" x 18"	<b>No. G-81</b> 12" x 18"
<b>No. G-83</b> 12" x 18"	<b>No. G-84</b> 12" x 18"	<b>No. G-85</b> 12" x 18"	<b>No. G-86</b> 12" x 18"	<b>No. G-89</b> 12" x 18"	<b>No. G-90</b> 12" x 18"	<b>No. G-115</b> 12" x 18"	<b>No. G-116</b> 12" x 18"	<b>No. R7-202</b> 12" x 18"	<b>No. R-105</b> 12" x 18"
<b>No. R7-3</b> 12" x 18"	<b>No. G-75</b> 12" x 18"	<b>No. R-115</b> 12" x 18"	<b>No. R-71</b> 12" x 18"	<b>No. G-49</b> 12" x 18"	<b>No. R-111</b> 12" x 18"				
<b>No. G-37</b> 18" x 12"	<b>No. G-47</b> 18" x 12"	<b>No. G-92</b> 18" x 12"	<b>No. G-93</b> 18" x 12"	<b>No. G-56</b> 18" x 12"	<b>No. G-94</b> 18" x 12"	<b>No. G-76</b> 18" x 12"			
<b>No. G-209</b> 18" x 12"	<b>No. G-70</b> 18" x 12"	<b>No. G-30</b> 18" x 12"	<b>No. G-31</b> 18" x 12"	<b>No. G-32R</b> 18" x 12"	<b>No. G-32L</b> 18" x 12"	<b>No. G-33</b> 18" x 12"			
<b>No. G-34</b> 18" x 12"	<b>No. G-35R</b> 18" x 12"	<b>No. G-35L</b> 18" x 12"	<b>No. G-36</b> 18" x 12"	<b>No. G-62</b> 12" x 6"					



# Parking Signs

<b>No. R8-3S</b> 12" x 18", 24"	<b>No. G-62C</b> 12" x 6"	<b>No. R-101</b> 12" x 18"	<b>No. R-70</b> 12" x 18"	<b>No. R-45R</b> 12" x 18"	<b>No. R-46</b> 12" x 18"	<b>No. R-45L</b> 12" x 18"	<b>No. R-43</b> 12" x 18"	<b>No. R-83</b> 12" x 18"	<b>No. R-40</b> 12" x 18"
<b>No. R-102</b> 12" x 18"	<b>No. R-18</b> 12" x 18"	<b>No. R7-1R</b> 12" x 18"	<b>No. R7-1</b> 12" x 18"	<b>No. R7-1L</b> 12" x 18"	<b>No. R-42R</b> 12" x 18"	<b>No. R-42</b> 12" x 18"	<b>No. R-42L</b> 12" x 18"	<b>No. R-80</b> 12" x 18"	<b>No. R-86</b> 12" x 18"
<b>No. R-100</b> 12" x 18"	<b>No. R-84</b> 12" x 18"	<b>No. R-98</b> 12" x 18"	<b>No. R7-201B</b> 12" x 18"	<b>No. R-103</b> 12" x 18"	<b>No. R7-6</b> 12" x 18"	<b>No. R7-4</b> 12" x 18"	<b>No. R-49</b> 12" x 18"	<b>No. R-55</b> 12" x 18"	<b>No. R-79</b> 12" x 18"
<b>No. R-104</b> 12" x 18"	<b>No. R-53</b> 12" x 18"	<b>No. R-54R</b> 12" x 18"	<b>No. R-54</b> 12" x 18"	<b>No. R-54L</b> 12" x 18"	<b>No. R-401</b> 12" x 18"	<b>No. R-201</b> 12" x 18"	<b>No. R-76</b> 12" x 18"	<b>No. R-77</b> 12" x 18"	<b>No. R-34</b> 12" x 18"
<b>No. R-96</b> 12" x 18"	<b>No. R-400</b> 12" x 18"	<b>No. R-97</b> 12" x 18"	<b>No. R-72</b> 12" x 18"	<b>No. R-200</b> 12" x 18"	<b>No. R-88</b> 12" x 18"	<b>No. R-89</b> 12" x 18"	<b>No. R-78</b> 12" x 18"	<b>No. R-91</b> 12" x 18"	<b>No. R-92</b> 12" x 18"
<b>No. R-107</b> 12" x 18"	<b>No. R-110</b> 12" x 18"	<b>No. R-69B</b> 12" x 18"	<b>No. R-68C</b> 12" x 18"	<b>No. R-69D</b> 12" x 18"	<b>No. R8-3</b> 18" x 24"	<b>No. R18</b> 18" x 24"	<b>No. R-53</b> 18" x 24"	<b>No. G-44</b> 18" x 24"	<b>No. G-45</b> 18" x 24"
<b>No. G-88</b> 18" x 24"	<b>No. G-99</b> 18" x 24"	<b>No. G-10</b> 18" x 24"	<b>No. G-50</b> 18" x 24"	<b>No. G-51</b> 18" x 24"					

# Guide Signs

<b>No. G-110</b> 18" x 18"	<b>No. G-111</b> 18" x 18"	<b>No. G-112R</b> 18" x 18"	<b>No. G-112L</b> 18" x 18"	<b>No. G-113L</b> 18" x 18"	<b>No. G-113R</b> 18" x 18"

<b>No. M1-4</b> 24"	<b>No. M2-1</b> 21" x 15"	<b>No. M3-1</b> NORTH <b>No. M3-2</b> EAST 24" x 12"	<b>No. M3-3</b> SOUTH <b>No. M3-4</b> WEST 24" x 12"	<b>No. M4-4</b> TRUCK <b>No. M4-6</b> END 24" x 12"

<b>No. M5-1R</b> 21" x 15"	<b>No. M5-1L</b> 21" x 15"	<b>No. M6-1</b> 21" x 15"	<b>No. M6-3</b> 21" x 15"	<b>No. M6-4</b> 21" x 15"

<b>No. D9-2S</b> 24"	<b>No. D9-2B</b> Arrow <b>No. D9-2P</b> HOSPITAL 24" x 6"	<b>No. D9-3</b> 24"	<b>No. D9-3A</b> 24"	<b>No. D9-6</b> 12", 18", 24"

<b>No. D4-1</b> 18" x 15"	<b>No. D11-1S</b> 24" x 18"	<b>No. I-5</b> 24"	<b>No. I-8</b> 24"	<b>No. I-8P</b> LIBRARY 24" x 12" <b>No. D11-1B</b> Arrow 24" x 6"

## Snow Route Signs

<b>No. SR-2</b> 12" x 18", 18" x 24"	<b>No. SR-3</b> 12" x 18", 18" x 24"	<b>No. R10-7</b> 12" x 9"



# Safety Signs

## OSHA & General Signs

All signs are 10"x14" .040 Polystyrene Plastic

No. C-080633	No. C-920633	No. D-83333	No. D-110333	No. D-111033	No. D-372633	No. D-441733	No. D-083233
No. D-472333	No. D-475633	No. D-874233	No. G-168133	No. G-494433	No. M-990333	No. N-001333	No. N-965133

Types of Available Signs			
OSHA	FIRST AID	PIPE MARKERS	RESTROOM/ADA
ANSI	FIRE	DOT PLACARDS	WARNING/NOTICE
BILINGUAL	HEALTH & SAFETY	RIGHT-TO-KNOW	

The list of standard legends is too numerous to print. Call us with your desired size, material and legend.

Sign Materials & Sizes			
Aluminum (AL) .032	Fiberglass Reinforced Plastic (FG) .090	Polystyrene plastic (PL) .040	Pressure sensitive vinyl (VPO)
For indoor and outdoor long-term use. Sizes: 7" x 10", 10" x 14", 14" x 20"	For indoor use in environments that are highly corrosive or where non-conductive signs are required. Sizes: 7" x 10", 10" x 14", 14" x 20"	For long-term indoor and short-term (6-9 month) outdoor use. Sizes: 7" x 10", 10" x 14"	For indoor and outdoor use. Apply to a smooth, clean, dry surface. Sizes: 7" x 10", 10" x 14", 14" x 20"

# Custom Sign Options

## Sign Decals

### No. SIGN DECAL

Decals may be helpful in deterring sign theft and vandalism. Use press-on decal for marking the installation date of signs, which will assist with the expected sign life management method.

**Size:** 4" x 2¼"

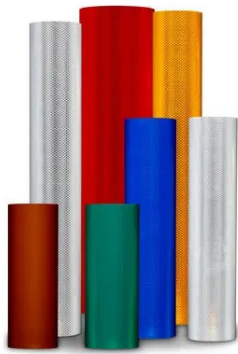
**Colors:** White or Yellow

**Quantities:** 125, 250, 500 or 1,000



## Vehicle Decals

Part No.	Size
No. DECAL10	10" diameter
No. DECAL11	11½" x 8"
No. DECAL14	14" diameter
No. DECAL16	16" x 11½"



### ASTM Type I Sheeting (Glass Bead Sheeting)

- 7-year engineer grade reflective sheeting
- For flat surfaces and sign backgrounds
- Enclosed lens glass bead retroreflective for non-regulated signing

### ASTM Type III Sheeting (Prismatic Sheeting)

- 3M 3930 series high intensity prismatic reflective
- Standard colors have average life span of 10 years
- Designed for the production of reflective durable traffic control signs
- Unique prismatic construction provides high level of retroreflectivity

## Reflective Sheeting

### ASTM Type IX Sheeting (Prismatic Sheeting)

- 3M 3990 series diamond grade VIP reflective
- Pressure sensitive prismatic lens
- When applied properly sheeting will last approximately 12 years (expected life of fluorescent yellow-green is 6 years and fluorescent orange is 3 years)

### Sizes

- Available in 6", 12", 24", 30", 48" or 50 yd rolls

**Specify size, color and ASTM type when ordering**

## Die-Cut Letters & Numbers

Available in engineered grade, pressure sensitive vinyl, and high-intensity prismatic

All die-cuts come 25 per package

### Fonts:

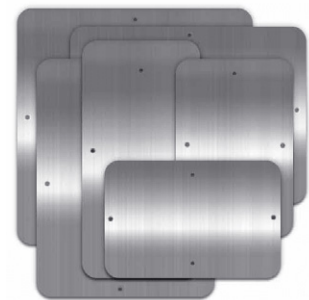
Series B, Series C, Series D

### Sizes:

Die-Cut Letters & Numbers: 2", 2.5", 3", 4", 5", 6", 7", 8"  
Die-Cut Lower Case Letters: 4", 6", 8"

## Aluminum Sign Blanks

- Treated to meet ASTM B449 specifications as pretreatment for paint or sheeting applications
- Industry standard 3105 alloy grade aluminum
- .080 ga thickness (except extruded blanks)
- Radius corners (except extruded street name signs)
- Holes are ¾" centered top and bottom (except street name signs)
- Specify width x height when ordering

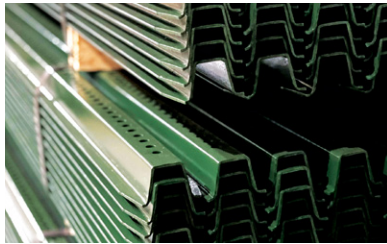




# Sign Posts

## U-Channel Sign Posts

U-channel posts are the perfect combination of durability and flexibility and are a preferred solution for many signpost applications. For temporary and smaller signs, 1.12# / ft posts are an ideal option. For more permanent sign placements, the standard 2# / ft. A 3# / ft option is also available.



Part #	Length	Weight	Type	Finish
DP6	6 ft	1.12# / ft	Delineator post	Green
DP7	7 ft	1.12# / ft	Delineator post	Green
CP4-2	4 ft	2# / ft	U-channel post	Green
CP6-2	6 ft	2# / ft	U-channel post	Green
CP8-2	8 ft	2# / ft	U-channel post	Green
CP10-2	10 ft	2# / ft	U-channel post	Green
CP10-2G	10 ft	2# / ft	U-channel post	Galvanized
CP10-3	10 ft	3# / ft	U-channel post	Green
CP10-3G	10 ft	3# / ft	U-channel post	Galvanized
CP12-2	12 ft	2# / ft	U-channel post	Green
CP12-2G	12 ft	2# / ft	U-channel post	Galvanized
CP12-3	12 ft	3# / ft	U-channel post	Green
CP12-3G	12 ft	3# / ft	U-channel post	Galvanized

## Round Sign Posts

Part #	Size (ID/OD)	Length	Gauge	Finish
RP10G	2" x 2 3/8"	10 ft	16 ga	Galvanized
RP12G	2" x 2 3/8"	12 ft	16 ga	Galvanized

## T Posts

Part #	Length	Description
TP5-R	5 ft	Raw T post 1.25# / ft
TP6	6 ft	Green T post 1.25# / ft
TP7	7 ft	Green T post 1.25# / ft

## Square Tubing

Part #	Size (OD)	Length	Gauge	Finish
16D12-120	1 3/4"	10ft	14 ga	Galvanized
16D12-144	1 3/4"	12 ft	14 ga	Galvanized
20D12-120	2"	10 ft	14 ga	Galvanized
20D12-144	2"	12 ft	14 ga	Galvanized
20F12-120	2"	10 ft	12 ga	Galvanized
20F12-144	2"	12 ft	12 ga	Galvanized
20F12-36	2"	3 ft	12 ga	Galvanized
22F12-144	2 1/2"	12 ft	12 ga	Galvanized
22F12-36	2 1/4"	3 ft	12 ga	Galvanized
24F12-18	2 1/4"	12 ft	12 ga	Galvanized

## Post Reflectors

Part No.	Description
No. 3X30YH	Hi-Intensity yellow
No. 3X30RH	Hi-Intensity red
No. 3X30FYG	Fluorescent yellow-green diamond grade
Reflective sheeting on 3" x 30" .063 aluminum	

All posts can be cut to size per request

## Portable Sign Posts

### Recycled Rubber Bases for Portable Post Sign Stands

- No. 800-RB-30**  
30 lb 18.5" x 22.85" x 2.5"H base
- No. 800-RB-60**  
60 lb 18.5" x 18.5" x 5"H
- Option of wheels or no wheels
- White or black posts



### Fillable Plastic Bases for Portable Post Sign Stands

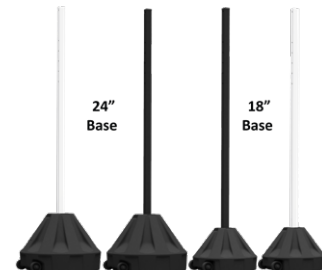
- No. RAP18BK-60PK-KIT**  
18"W x 12.8"H base
- 18" black base
- 60" white post

#### Other Options Available:

- Plastic Bases**
- Sizes: 18" or 24"
- Base colors: Black, Blue, Red, or Yellow

#### Posts



- 60"H x 1.75"W square plastic post with holes drilled
- 72"H x 1.75"W square plastic post with holes drilled
- Post colors: White or Black





# Street Name Signs & Hardware

## Street Name Signs

	
<p><b>Extruded Aluminum</b></p> <p><b>No. SN-3H</b> 6" × necessary length extruded aluminum double-faced high-intensity grade</p> <p><b>No. SN-3-9H</b> 9" × necessary length extruded aluminum double-faced high-intensity grade</p>	<p><b>Flat Aluminum</b></p> <p><b>No. SN-4H</b> 6" × necessary length .080 flat aluminum double-faced high-intensity grade</p> <p><b>No. SN-4-9H</b> 9" × necessary length .080 flat aluminum double-faced high-intensity</p>
<p><b>Extruded Blanks</b></p> <ul style="list-style-type: none"> <li>• Have a thicker (.240") top and bottom edge</li> <li>• Square corners</li> </ul>	<p><b>Flat Blanks</b></p> <ul style="list-style-type: none"> <li>• Consistent .080" thickness throughout</li> <li>• 3/4" radius corners</li> </ul>

### Round Post Brackets

Part No.	Size (OD)
808F	5½" bracket for 2" round post / flat
808EX	5½" bracket for 2" round post / extruded
812F	12" bracket for 2" round post / flat
812EX	12" bracket for 2" round post / extruded

### Square Post Brackets

Part No.	Size (OD)
850F175	5½" post bracket for 1¾" square post / flat
850EX175	5½" post bracket for 1¾" square post / extruded
850F2	5½" post bracket for 2" square post / flat
850EX2	5½" post bracket for 2" square post / extruded
812F-SQ34	12" post bracket for 1¾" square post / flat
812EX-SQ34	12" post bracket for 1¾" square post / extruded
812F-SQ	12" post bracket for 2" square post / flat
812EX-SQ	12" post bracket for 2" square post / extruded

### Cross Pieces

Part No.	Size (OD)
808F-90	5½" cross piece / flat
808EX-90	5½" cross piece / extruded
812F-90	12" cross piece / flat
812EX-90	12" cross piece / extruded

### U-Channel Post Brackets

Part No.	Size (OD)
808F-UC90	5½" U-channel bracket / flat / 90 degree
808F-UC180	5½" U-channel bracket / flat / 180 degree
808EX-UC90	5½" U-channel bracket / extruded / 90 degree
808EX-UC180	5½" U-channel bracket / extruded / 180 degree
812F-UC90	12" U-channel bracket / flat / 90 degree
812F-UC180	12" U-channel bracket / flat / 180 degree
812EX-UC90	12" U-channel bracket / extruded / 90 degree
812EX-UC180	12" U-channel bracket / extruded / 180 degree

### Pedestal Bases

**No. GP-4**  
14" cast iron pedestal  
4' post; 27 lb

**No. GP-5**  
18" cast iron pedestal  
4' post; 37 lb

**No. IN81**  
15" aluminum bolt-down  
base with replacement stub.  
Post sold separately.





# Miscellaneous Hardware

<b>No. 1010</b> Cantilever arm • 8" x 14½" • flat or extruded	<b>No. 1010EXT</b> Cantilever arm • 8" x 14½" thru 29" • flat or extruded	<b>No. 318S</b> Single-sided • two / sign required • 2" ID / 2¾" OD	<b>No. 318D</b> Double-sided • two / sign required • 2" ID / 2¾" OD	<b>No. UBC</b> U-bolt style • two / sign required • 2" ID / 2¾" OD	<b>No. 606C</b> Closure cap • 2" ID / 2¾" OD
<b>No. AB10</b> Adjustable band bracket • two / sign required • fits posts 4" to 12"	<b>No. CAD</b> Sign hardware set (bolt, washers & nut) • 5/16" x 2½" zinc plated	<b>No. LOCK516</b> Zinc plated lock washer • 5/16"	<b>No. OWB</b> One-way vandal resistant bolt • 5/16" x 2½"	<b>No. ALUM NUT</b> Break-away nut • 5/16" aluminum nut • twist firmly to break	<b>No. NYLON WASH</b> Nylon washer • 5/16" • 3/8"
<b>No. TL3806</b> 3/8" driverivet	<b>No. TL050</b> Angle bolt for 1½" or 2½" square tubing • 5/16"	<b>No. TL070</b> Angle bolt for 2", 2¼", or 2½" square tubing • 5/16"	<b>No. TL062</b> Hex jam nut for TL050 & TL070 angle bolts • 5/16"		

## Banding

### No. C001

A drop forge tool with tension capability of over 2400 lb built in cutter.

### New improved features include:

- Spring loaded gripper lever for improved band tensioning
- Friction held cutoff lever with plastic grip for easier operation
- Blue epoxy powder coated finish virtually impervious to impact, chemicals and corrosive elements



Image	Product	Part No.	Description	Weight
	<b>Banding</b> • package quantity: 100 ft / roll • weight is per package	C161	3/4" stainless steel banding .020 thickness	5.2 lb
		C204*	1/2" stainless steel banding	5.0 lb
		C205	5/8" stainless steel banding	6.5 lb
		C206*	3/4" stainless steel banding	7.8 lb
	<b>Buckles</b> • package quantity: 100 / box • weight is per package	C156	3/4" stainless steel buckles for No. C161	2.1 lb
		C254*	1/2" stainless steel buckles	1.8 lb
		C255	5/8" stainless steel buckles	2.2 lb
		C256*	3/4" stainless steel buckles	3.3 lb
	<b>Flared Leg Brack-It</b> • package quantity: 50 / box • weight is per package	D021	• Stainless steel bolt and washer	7 lb
		D022	• Stainless steel without bolt or washer	5.5 lb

Color banding options available upon request

# Gutter Brooms

We offer a full line of gutter brooms for most sweepers. High impact injection molded blocks withstand the toughest sweeping conditions. Our brooms are filled with oil-tempered gutter broom wire to meet our strict quality standards. This ensures a balanced fill and proper fit.

Model	Part No.	Description
Elgin	<b>GBE-4T</b>	4 section gutter broom
Elgin	<b>GBE-5T</b>	5 section gutter broom
Elgin	<b>41-WLVELP4H*</b>	4 section wolverine gutter broom
Elgin	<b>GBS-8</b>	8 section snap-on gutter broom

Model	Part No.	Description
Mobil / Tymco	<b>GBM-4T</b>	4 section gutter broom
Mobil / Tymco	<b>41-WLVMOP4H*</b>	4 section wolverine gutter broom
Mobil / Tymco	<b>GBS-10</b>	10 section snap-on gutter broom

Model	Part No.	Description
Johnston / Wayne / Global	<b>GBW-4</b>	4 section gutter broom
Johnston / Wayne / Global	<b>41-WLVWAP4H*</b>	4 section wolverine gutter broom
Wayne	<b>GBS-11</b>	11 section snap-on gutter broom
Johnston	<b>GBS-12</b>	12 section snap-on gutter broom
Johnston / Vanguard	<b>GBS-12-WLV*</b>	12 section wolverine snap-on gutter broom
Whirlwind / Elgin	<b>GBWW-2</b>	2 section gutter broom
Johnston VT650 / 600	<b>GB-650</b>	2-section gutter broom



**\*Wolverine gutter brooms include a 5/16" wire cable on the outside of the block, creating longer durability and stronger digging capabilities**

**Wood top and poly gutter brooms available — contact our team for options**

## Bulk Gutter Broom Wire

### No. TODCO WIDE

Industry standard size of 26" x .025" x .125" fully hardened, oil tempered steel gutter broom wire. Packaged 100 lb / box.

## Municipal Sweeper Replacement Parts

We have major wear parts for most municipal street sweepers. These parts are too numerous to list.

**Please call us with the part number, make, model, and serial number of your machine.**

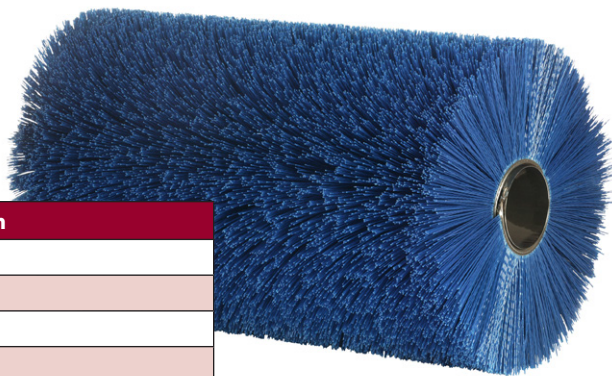
A Partial List of Available Replacement Parts		
Conveyor Belts	Squeegees	Weldments
Conveyor Chains	Rubber Deflectors	Rollers
Sprockets	Strip Brushes	Drive Chains
Bearings	Dirt Shoes	Hoses



# Main Brooms

## Tube Brooms

Our tube brooms are made to the highest quality standards for long-lasting performance. Each broom is a heavy polypropylene fill which provides consistent sweeping results.



Model	Part No.	Length
Athey Mobil	<b>M TUBE</b>	58"
Elgin Eagle / Broom Bear	<b>EAGLE</b>	60"
Elgin Pelican	<b>ETUBE</b>	66"
Johnston 3000/4000	<b>VANGUARD</b>	56½"
Johnston 600	<b>JOHNSTON-600-P</b>	56½"
Johnston 650	<b>JOHNSTON-650-P</b>	51"
Tymco 600	<b>TYMCO 600</b>	79"
Vac/All	<b>VACALL</b>	40"

## Strip Brooms & Cores

Strip brush main brooms allow you to change the sweeper's main broom without removing the core. The plastic-back strips slide easily in to your core, saving you time. Strips are packaged in boxes which reduce shipping costs and allow for easy stacking and storing. Strip brooms are made of 100% polypropylene and are 100% recyclable.



Model	Part No.	No. / Set	Length	Mandrell*
Athey Mobil	<b>MOBIL STRIP</b>	18	58"	TSC58
Egin Eagle	<b>EAGLE STRIP</b>	18	60"	TSC60
Egin Pelican	<b>ELGIN STRIP</b>	18	66"	TSC66
Johnston 3000/4000	<b>VANGUARD STRIP</b>	13	56½"	TSC565V

\*A mandrell is hollow and utilizes your tube broom compression arbor. We also have cores available that have drive plates welded in each end. *Please specify.*

# Sectional Brooms

## 21" & 24" Diameter Sections

Part No.	OD	ID	Type	Material
01-5675	21"	6 <sup>3</sup> / <sub>8</sub> "	Convoluted	Poly
01-5768	21"	6 <sup>3</sup> / <sub>8</sub> "	Flat	Poly
01-0831	21"	6 <sup>3</sup> / <sub>8</sub> "	Convoluted	Wire
01-5009C	24"	6 <sup>3</sup> / <sub>8</sub> "	Convoluted	Poly
01-0769	24"	6 <sup>3</sup> / <sub>8</sub> "	Convoluted	Wire
01-0147	—	6 <sup>3</sup> / <sub>8</sub> "	Spacer	—
01-0744C	24"	7"	Convoluted	Poly
01-0745C	24"	7"	Convoluted	Wire
01-0783	24"	7"	Flat	Poly
01-0745	24"	7"	Flat	Wire



## 26" Diameter Sections

Part No.	OD	ID	Type	Material
01-5210	26"	8"	Convoluted	Poly
01-0848	26"	8"	Convoluted	Wire



## 32" Diameter Sections

Part No.	OD	ID	Type	Material
01-5002C	32"	10"	Convoluted	Poly
01-5002	32"	10"	Flat	Poly
01-0006C	32"	10"	Convoluted	Wire
01-0006	32"	10"	Flat	Wire
01-0146	—	10"	Spacer	—



## 36" Diameter Sections

Part No.	OD	ID	Type	Material
01-0053C	36"	10"	Convoluted	Poly
01-0003	36"	10"	Flat	Poly
01-0052C	36"	10"	Convoluted	Wire
01-0007	36"	10"	Flat	Wire
01-0146	36"	—	Spacer	—



### USEFUL TIPS

**Flat Wafers:** 7 per foot of broom core  
**Convoluted Wafers:** 6 per foot of broom core



# Blades

## Bucyrus Blades™

Michael Todd Industrial Supply offers a complete line of Bucyrus Blades™ for most makes and models of motor graders, loaders, snow plows, small trucks and other construction machines. Cutting edges are precision punched and drilled to exact standard and use state of the art machinery to insure easy installation. Produced from the highest quality steels, our edges set the standard for quality and value.

Our product offering includes standard and custom blades for, but not limited to:

- Bobcat
- John Deere
- Hough Dresser
- Kawasaki
- New Holland
- Sany
- Volvo
- Caterpillar
- Flat Allis
- Hyundai
- Kobelco
- O&K
- Terek
- Wabco
- Case
- Gehl
- JCB
- Komatsu
- Paladin

## ESCO Bucyrus Blades Application Options

Option	Features	Applications	Loader	Dozer	Grader	Scraper	Excavator	Plow
<b>MaxTemp®</b>	Through-hardened for maximum toughness	High-impact, rocky conditions	■	■	■	■	■	■
<b>ForgeTemp®</b>	High carbon steel — economical alternative	High abrasion, low impact — applications in sand, dirt, small rocks	■	■	■	■	■	■
<b>Special Application MaxTemp® (SAM)</b>	Impact and wear resistance, easy to weld	Heavy-duty loader and excavator plate lip (base edge)	■			■	■	
<b>Carbide Embedded</b>	Up to 5 times the wear over standard blades Guaranteed cost-effective performance	Extreme abrasion with low impact	■	■	■	■	■	■
<b>Carbide Plus™</b>	Tungsten carbide insert, carbide embedded face	High abrasion and low impact - applications in sand, mud, small rocks			■			■
<b>Deuce™ Blades</b>	Twin tungsten carbide inserts, carbide embedded face	High abrasion and impact — heavy construction and mining			■			
<b>Surface-Hardened</b>	Maintains sharp edges, lowest cost per mile over high carbon or hardened blades	Compacted snow and ice			■			■
<b>Carbide Inserted Blades</b>	Longer wear life over conventional snow plow blades and maintains a sharp cutting edge	Snow and ice removal			■			■
<b>PolyBlades</b>	Premium grade polyethylene for minimal friction and reduced chance of sparks	Runway snow removal, recycling and fiber processing yards, corrosive or chemical cleanup	■	■			■	■

## Motor Grader Blades



Motor graders are self-propelled vehicles with a long, adjustable blade mounted between the front and rear axles, allowing precise control and maneuverability. Grader blades provide a smooth and even surface for jobsites and are primarily used for precision grading and levelling surfaces, such as roads, foundations and large areas of land. Graders increase productivity by minimizing the need for manual labor and reducing the time required for surface preparation.

### Carbide Inserted or Carbide Plus Style in 1026 Steel available.

Please use our selection table.

Our grader blades are available in a variety of different widths, thicknesses, and hardnesses, flat, curved or serrated. All of our blades meet or exceed industry and manufacturer specifications. Please use our Grader Blade selection guide to better determine which blade is best fit for your job.

## Grader Blade Selection Table

OEM Part Number:	Machine Type:	Machine Make:	Machine Model:
<b>Material Section:</b> <input type="checkbox"/> <b>CDB</b> <input type="checkbox"/> <b>CSB</b> <input type="checkbox"/> <b>XCDB</b> <input type="checkbox"/> <b>FDB</b> <input type="checkbox"/> <b>CNB</b>		<b>MaxTemp® 15B30 Steel:</b> Maximum length 108 inches <input type="checkbox"/> 5/8x6 CDB <input type="checkbox"/> 3/4x6 CDB <input type="checkbox"/> 5/8x8 CDB <input type="checkbox"/> 3/4x8 CDB <input type="checkbox"/> 1x8 CDB <input type="checkbox"/> 3/4x8 CSB  Maximum length 144 inches <input type="checkbox"/> 5/8x8 FDB <input type="checkbox"/> 3/4x8 FDB <input type="checkbox"/> 3/4x8 FDB <input type="checkbox"/> 1x8 FDB <input type="checkbox"/> 1x10 FDB <input type="checkbox"/> 1x11 FDB  Maximum length 96 inches <input type="checkbox"/> 1-3/8x10 FDB <input type="checkbox"/> 1-3/4x10 FDB <input type="checkbox"/> 1-3/4x13 FDB <input type="checkbox"/> 2-3/8x16 FDB <input type="checkbox"/> 3x14 FDB <input type="checkbox"/> 3x16 FDB  <b>Tungsten carbide embedded option:</b> <input type="checkbox"/> Yes (blade must be 3/4 inch or thicker)	
<b>High Carbon 1084 Steel:</b> Maximum length 144 inches <input type="checkbox"/> 1/2x6 CDB <input type="checkbox"/> 5/8x6 CDB <input type="checkbox"/> 3/4x6 CDB <input type="checkbox"/> 1/2x8 CDB <input type="checkbox"/> 5/8x8 CDB <input type="checkbox"/> 3/4x8 CDB <input type="checkbox"/> 5/8x6 CSB <input type="checkbox"/> 3/4x6 CSB <input type="checkbox"/> 5/8x8 CSB <input type="checkbox"/> 3/4x8 CSB <input type="checkbox"/> 5/8x6 CNB <input type="checkbox"/> 5/8-7/8x8 XCDB <input type="checkbox"/> 5/8x8 FDB <input type="checkbox"/> 3/4x8 FDB <input type="checkbox"/> 1x10 FDB  Maximum length 96 inches <input type="checkbox"/> 1x8 CDB		<b>Bolt Diameter:</b> <i>(The bolt should be approximately 1/16 inch smaller than hole.)</i> <input type="checkbox"/> 1/2 inch <input type="checkbox"/> 5/8 inch <input type="checkbox"/> 3/4 inch <input type="checkbox"/> 7/8 inch <input type="checkbox"/> 1.0 inch  <b>Backspacing:</b> <i>(Also called the gauge line, it is the distance from the blade top down to the bolt hole center. Our standard is 1.63 inches.)</i> _____  <b>Total Number of Holes:</b> _____	
<b>Surface Hardened 1074 Steel:</b> Maximum length 108 inches <input type="checkbox"/> 3/4x6 CDB <input type="checkbox"/> 3/4x8 CSB <input type="checkbox"/> 5/8-7/8x8 XCDB		<b>Serrated Options:</b> Maximum length is 108 inches on all curved grader blades with serration <input type="checkbox"/> One side <input type="checkbox"/> Two sides <input type="checkbox"/> Standard pattern <input type="checkbox"/> Custom pattern Tooth height: _____ Tooth width: _____ Gap width: _____  <input type="checkbox"/> Gap on ends <input type="checkbox"/> Tooth on ends 	
<b>Carbide Inserted or Carbide Plus™ Style in 1026 Steel (parent metal):</b> Maximum length on all inserted is 60 inches <input type="checkbox"/> Carbide Inserted only <input type="checkbox"/> Carbide Plus / Inserted and embedded <input type="checkbox"/> 3/4x6 CSB <input type="checkbox"/> 1x7 CSB <input type="checkbox"/> 3/4x6 FSB		<b>Hole Spacing:</b> <i>(The sum of the spacing must match the overall length provided. For example 3+3+12+12, 3, 3=36 inches.)</i> _____  <b>Blade Length:</b> _____  <b>Other:</b> <i>For information on other products such as ends, overlay options or specialty items like the Infinity® 2000 carbide bit system, please refer to our selector guide or contact your inside sales representative.</i>	



# Construction Blades

## Loaders

Loaders are a type of heavy equipment used in constructions, mining, earthmoving, road maintenance, landscaping and more. These machines move, push, carry or load material across short distances. We provide replacement blades for differing models including front loaders, wheel loaders, crawler loaders, compact loaders, tractor loaders, backhoe loaders, and skid steers.

## Dozers

Dozers are an operational steel blade mechanisms mounted on the front of crawlers, wheel bulldozers, and other heavy equipment machinery. These blades are used for various earthmoving and construction tasks, such as pushing, grading, leveling, and moving materials like soil, rocks, and debris. Common types of dozer blades include straight, angle, universal, and semi-universal.

## Excavators

Excavators main purpose is to dig and remove earth and debris, but it can also be used for a variety of applications including grading, demolition, excavating foundations, material handling, forestry and landscaping.

## Construction Blade Quote Worksheet

Due to unique spacing and systems used by each manufacturer, customers interested in loader, dozer and excavator edges and bucket blades should use our Construction Blade Quote Worksheet to determine which blade is best fit for the job.

<b>OEM Part Number:</b>	<b>Machine Type:</b>	<b>Machine Make:</b>	<b>Machine Model:</b>														
<b>Material Section:</b> <input type="checkbox"/> FSB* <input type="checkbox"/> FSB <input type="checkbox"/> FDB  <small>*This version comes with a weld chamfer</small>	<b>Blunt and Bevel:</b> If adapters will be installed on a base edge, be sure to detail the custom-milled blunt and bevel angle requirements. This information is very important for proper adapter fitment. <input type="checkbox"/> Standard rolled section <input type="checkbox"/> Custom-milled  Blunt height: _____ Bevel angle: _____	<b>Hole Type:</b> <input type="checkbox"/> No holes <input type="checkbox"/> Square countersunk <input type="checkbox"/> Round <input type="checkbox"/> Round countersunk 															
<b>Serrated Blade Options:</b> <input type="checkbox"/> One side <input type="checkbox"/> Two sides <input type="checkbox"/> Standard pattern <input type="checkbox"/> Custom pattern Tooth height: _____ Tooth width: _____ Gap width: _____ <input type="checkbox"/> Gap on ends  <input type="checkbox"/> Tooth on ends 	If worn parts are being measured, please reference the standard dimensions for blade width and backspace. Typically, the bolt-on blade width is equal to the base edge's backspace multiplied by 4.  <table border="1"> <thead> <tr> <th>Bolt-on Edge Width</th> <th>Base Edge Backspace</th> </tr> </thead> <tbody> <tr> <td>6.00 inches</td> <td>1.50 inches</td> </tr> <tr> <td>8.00 inches</td> <td>2.00 inches</td> </tr> <tr> <td>10.00 inches</td> <td>2.50 inches</td> </tr> <tr> <td>11.00 inches</td> <td>2.75 inches</td> </tr> <tr> <td>13.00 inches</td> <td>3.25 inches</td> </tr> <tr> <td>16.00 inches</td> <td>4.00 inches</td> </tr> </tbody> </table> To maximize your savings, we highly recommend using rolled bar sections over plate steel when possible.	Bolt-on Edge Width	Base Edge Backspace	6.00 inches	1.50 inches	8.00 inches	2.00 inches	10.00 inches	2.50 inches	11.00 inches	2.75 inches	13.00 inches	3.25 inches	16.00 inches	4.00 inches	<b>Countersunk Side:</b> <input type="checkbox"/> Long side <input type="checkbox"/> Short side  <b>Miters/Clipped Corners:</b> <input type="checkbox"/> No <input type="checkbox"/> Yes <small>(If yes, please provide a drawing of your measurements on a separate sheet of paper.)</small>	
Bolt-on Edge Width	Base Edge Backspace																
6.00 inches	1.50 inches																
8.00 inches	2.00 inches																
10.00 inches	2.50 inches																
11.00 inches	2.75 inches																
13.00 inches	3.25 inches																
16.00 inches	4.00 inches																
<b>Dimensions:</b> Thickness: _____ (e.g., 0.75 inches) Width: _____ (e.g., 8.00 inches) Length: _____ (e.g., 12.75 inches) Total number of holes: _____ (e.g., 3) Bolt diameter: _____ (e.g., 5/8 inch) Bolts should be approximately 1/16 to 1/8 inch smaller than the hole Backspacing: _____ (e.g., 4.00 inches) Hole spacing: : _____ Example:  The sum of the spacing must match the overall length provided. (e.g., 2+4.3875+4.3875+2=12.75 inches) If needed, a hand drawing of your edge can be submitted on a separate sheet of paper.																	



# Snowplow Blades



## Steel Snowplow Blades

Steel blades accessibility and low up front cost makes it the first choice for many municipalities. These blades help cut through packed snow and ice to the road surface, and decrease salt or chemical usage. Due to its aggressive nature, steel blades work best with guards and shoes to prevent premature wear and numerous blade changes throughout the season.



## Small Truck Snowplow Blades

We stock a variety of replacement straight and v-plow blades including but not limited to: Blizzard, Boss, Hiniker, Meyer, Northman, Polar, Western, Fisher

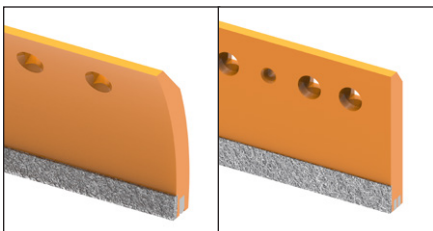


## Rubber Snowplow Blades

Rubber blades are available in various sizes for applications from small truck attachment plows to heavy duty truck plows. The material is cut to length and center slotted or drilled to your specifications. Center slotting allows for blade adjustment and proper blade overhand for different plows and plowing conditions. Rubber cutting edges are ideal for uneven road surfaces, raised manholes and abnormally high crowned roads. New and decorative pavements last longer when plowed with rubber blades.

In-house rubber sizes available:

- 1" x 6" x desire length
- 1½" x 8" x desired length
- Please provide hole spacing upon ordering



## Carbide Inserted Snowplow Blade

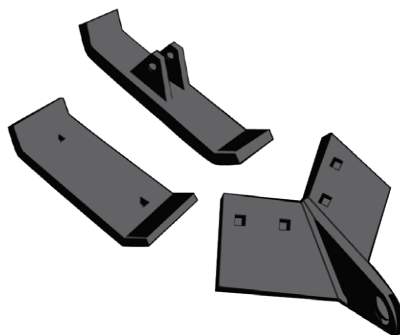
Carbide inserted snowplow blades have virgin tungsten carbide inserts that are placed into milled grooves along the bottom wear surface of the cutting edge, giving the blade unmatched wear resistant properties, ideal for highway plowing.

## Curb Guards & Plow Shoes

Protect the ends of your snowplow cutting edges with curb guards. These are designed to bolt up to the last two holes on SHP (standard highway punch) snowplow blades. Choose from curb guards specifically for the right and left hand side of the plow or from universal guards that can be used on either side.

We have a wide variety of plow shoes. There are round shoes, skid shoes, wear plated and mushroom style shoes available. The make and model of your plow and the OEM part number will help us properly identify your snowplow shoe. In most cases we can match or fabricate your plow shoe.

Due to unique spacing and systems used by each manufacturer, customers interested in snowplow cutting edges should use our Snowplow Blade Quote Worksheet to determine which blade is best fit for their application.

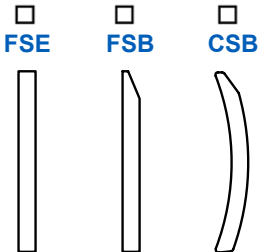




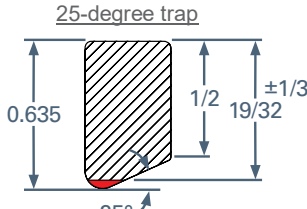
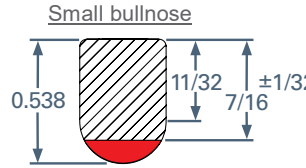
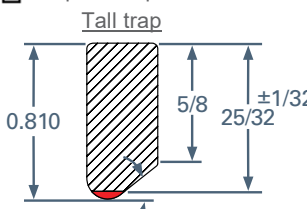
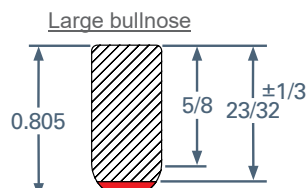
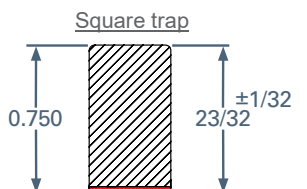






# Snowplow Blades

## Snowplow Blade Quote Worksheet

<b>OEM Part Number:</b>	<b>Machine Type:</b>	<b>Machine Make:</b>	<b>Machine Model:</b>
<b>Material Section:</b> 	<b>Carbide Inserted or Carbide Plus™ Style in 1026 Steel (parent metal):</b> <p>Maximum length on all inserted is 60 inches</p> <input type="checkbox"/> Carbide (inserted only) <input type="checkbox"/> Carbide Plus (inserted and embedded) <input type="checkbox"/> 3/4x6 FSE <input type="checkbox"/> 7/8x5 FSE <input type="checkbox"/> 7/8x6 FSE (large planned orders only) <input type="checkbox"/> 3/4x8 FSE (large planned orders only) <input type="checkbox"/> 3/4x6 FSB <input type="checkbox"/> 7/8x5 FSB <input type="checkbox"/> 7/8x6 FSB (large planned orders only) <input type="checkbox"/> 3/4x8 FSB (large planned orders only) <input type="checkbox"/> 3/4x6 CSB <input type="checkbox"/> 1x7 CSB	<b>Hole Type:</b> <b>Standard</b> <input type="checkbox"/> Square  <input type="checkbox"/> Round  <b>Non-standard</b> <input type="checkbox"/> Square countersunk  <input type="checkbox"/> Slotted 	
<b>High Carbon FSE 1084 Steel:</b> <p>Maximum length 168 inches</p> <input type="checkbox"/> 1/2x4 <input type="checkbox"/> 3/8x6 <input type="checkbox"/> 1/2x6 <input type="checkbox"/> 1/2x8 <input type="checkbox"/> 5/8x4 <input type="checkbox"/> 5/8x6 <input type="checkbox"/> 5/8x8 <input type="checkbox"/> 3/4x6 <input type="checkbox"/> 3/4x8 <input type="checkbox"/> 1x6 <input type="checkbox"/> 1x8	<b>Standard Insert Options:</b> <input type="checkbox"/> 25-degree trap <input type="checkbox"/> Small bullnose  		<b>Bolt Diameter:</b> <p>(The bolt should be approximately 1/16 inch smaller than hole.)</p> <input type="checkbox"/> 1/2 <input type="checkbox"/> 5/8 <input type="checkbox"/> 3/4
<b>Surface Hardened FSE 1074 Steel:</b> <p>Maximum length 108 inches</p> <input type="checkbox"/> 3/4x6 <input type="checkbox"/> 3/4x8 <input type="checkbox"/> 1x8	<b>Non-Standard Insert Options:</b> <input type="checkbox"/> Tall trap <input type="checkbox"/> Large bullnose <input type="checkbox"/> Square trap  		<b>Backspacing:</b> <p>(Also called the gauge line, it is the distance from the blade top down to the bolt hole center. Our standard is 1.50 inches.)</p> <p>_____</p>
<b>MaxTemp® FSE 15B30 Steel:</b> <p>Maximum length 72 inches</p> <input type="checkbox"/> 3/4x6 <input type="checkbox"/> 3/4x8 <input type="checkbox"/> 1x6 <input type="checkbox"/> 1x8	 <p><b>Note:</b> the colored area at the bottom of each indicates the amount of the carbide insert that extends out of the blade.</p>		<b>Total Number of Holes:</b> <p>_____</p>
			<b>Hole Spacing:</b> <p>(The sum of the spacing must match the overall length provided. For example 3+3+12+12,3,3=36 inches.)</p> <p>_____</p>
			<b>Blade Length:</b> <p>(The measurement should be taken from the farthest opposing end points.)</p> <p>_____</p>
			<b>Miters/Clipped Corners:</b> <input type="checkbox"/> No <input type="checkbox"/> Yes <p>(If yes, please provide a drawing of your measurements on a separate sheet of paper.)</p>



# Fasteners, Deflector Rubber & Markers

## Fasteners

Don't forget the bolts and nuts for your cutting edges. Our carriage bolts for square holes are grade 8 and have a full square neck to provide high strength. Our plow bolts for countersunk holes are grade 8 alloy with a dome head. All bolts are sold with nuts.



### Plow Bolt / Nut (Grade 8)

Part No.	Size
PLOW 2 G8	5/8" x 2" bolt/nut
PLOW 25 G8	5/8" x 2 1/2" bolt/nut
PLOW 3 G8	5/8" x 3" bolt/nut
PLOW 34 G8	5/8" x 3 1/2" bolt/nut
PLOW 34225 G8	3/4" x 2 1/4" bolt/nut
PLOW 3425 G8	3/4" x 2 1/2" bolt/nut
PLOW 343 G8	3/4" x 3" bolt/nut
PLOW 3435 G8	3/4" x 2 1/2" bolt/nut
PLOW 78225 G8	7/8" x 2 1/4" bolt/nut
PLOW 1275 G8	1" x 2 3/4" bolt/nut
PLOW 13 G8	1" x 3" bolt/nut
PLOW 135 G8	1" x 3 1/2" bolt/nut

### Carriage Bolt / Nut (Grade 8)

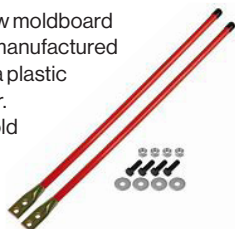
Part No.	Size
CGE12X2	1/2" x 2" bolt/nut
CGE12X25	1/2" x 2 1/2" bolt/nut
CGE 2	5/8" x 2" bolt/nut
CGE 25	5/8" x 2 1/2" bolt/nut
CGE 3	5/8" x 3" bolt/nut
CGE 35	5/8" x 3 1/2" bolt/nut

### Lock Nuts

Part No.	size
NUT 58-S	5/8" crown lock nut
58-S-F	5/8" flange lock nut grade 8
58H	5/8" 2h heavy nut (1 1/16" socket size)
58	5/8" x nut grade 8

## Plow Markers

Easily identify the ends of your snow plow moldboard with our snow plow markers. These are manufactured with a wire rope center for flexibility and a plastic outer layer in an easy-to-see yellow color. These markers do not get brittle in the cold weather. Available for straight spade mount, angle mounting and bolt-thru mounting.



Part No.	Description
502-36	36" angle mount plow marker, steel cable, yellow (2-hole)
1308200	27" flat mount plow market kit, red wire core w/ hardware (2-hole)
1308110	36" bumper guides, fluorescent orange, hollow w/ hardware (2-hole)

## Snow Plow Rubber Deflector

This heavy duty rubber deflector material is for the top of your snow plow moldboard. This 2-ply belted rubber is available in bulk or cut-to-order. The material does not have holes to allow you to drill for your plow specifications.

- Bulk snow plow rubber deflector: 50' x 10" wide x 3/8" thickness



## Snow Plow Wax

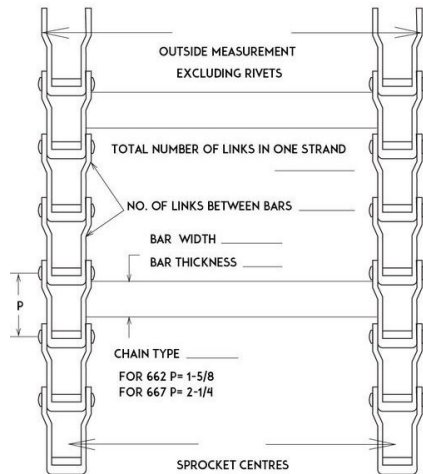
### No. WAX

This liquid material can be brushed or sprayed on your plow moldboard dump box to keep snow from sticking) Apply to surface and allow to dry. Reapply as necessary.  
Qty: 5 gal pail snow plow wax

# Spreader Parts

## Chains

We have spreader chains for many different models of salt / sand spreaders. Let us help you identify the chain you need.



**Spreader Specs** Use this chart to list specifications for your spreader.

<b>Model No.</b>	
<b>Box Length</b>	
<b>Chain No.</b> (Stamped inside chain)	
<b>No. of Pitches</b>	
<b>Length of Chain</b>	
<b>Cross Bar Spacing</b> (Every other link, every third link, etc.)	
<b>Center-to-Center Measurement</b> (Measure from outside of the link to the inside of the opposite side link. Measure within 1/16th of an inch.)	
<b>Link #</b> (Should be on the side of each link. e.g. 667x, 88k)	
<b>Bar Size &amp; Width</b> (Measure thickness and bar width)	

## Spinners

Our urethane spinners are tough enough to withstand the harshest winter conditions. Urethane is both flexible and has a "memory". If bent or crushed our spinners flex and then return to their original molded shape. Large chunks of frozen material pass through without damage to the spinner or hydraulic system. The advantages of our urethane spinners quickly adds up to reduced maintenance, longer spinner and hydraulic life, and more effective material dispersal and less waste. Available 13" through 24".



### The Original Urethane Spinner

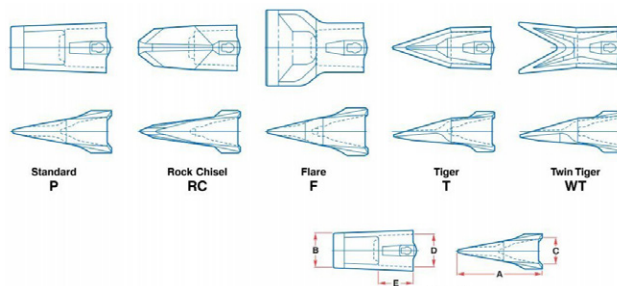
- Flexible and lightweight
- Will not rust or corrode
- Wear and abrasion resistant
- Inhibits material caking and build-up
- Specially formed, low-trajectory vanes

### Easy-to-Order Information:

- Diameter of spinner (13" through 24")
- Rotation of spinner (clockwise / counter)
- Material being spread

# Teeth, Pins & Adapters

Choose from a large selection of teeth, pins and adapters for loaders, backhoes and scrapers. We have many different tooth styles to meet your digging requirements. Whether you have an adapter in place and are looking for the wear tooth or if you only have a bucket edge and want to add adapters and teeth, you've come to the right place. With just a little information we can help identify the product you need to get the job done. The following are some guidelines in tooth replacement.



- Make, model & serial number of equipment
- OEM part number
- Adapter style (weld-on or bolt-on)
- Tooth style (pin-on or crimp-on)
- Pin style (flex pin, roll pin or other)
- Approximate measurements of adapter or tooth

Hensley Tooth No.	Tooth Type	Flex Pin No.	A	B	C	D	E	Weight (lbs)
2AHX	Standard	Crimp-on	4.44	1.63	1.06	1.38	2.69	0.9
3CHXL	Long	Crimp-on	5.50	2.13	1.56	1.75	3.25	2.2
23HXL	Standard	23P8	5.50	2.13	1.56	1.69	3.13	2.7
24HX	Standard	24P8	6.75	2.13	1.56	2.13	4.13	3.7
25HX	Standard	25/26P8	7.06	2.63	1.56	2.13	4.13	5.2

## Standard In-Stock Items

Part No.	Description
NO. 132-4720	Cat bolt on tooth
NO. 230F 23	Series flared tooth
NO. 230PN	2-tab flex pin for 23 series tooth
NO. 230SP	H&L 23 series general purpose tooth
NO. 6737325	Bobcat tooth / top mount pin uses 230PN
NO. 6737324	Bolt-on adapter / 2-bolt mount / for bobcat top mount flex pin tooth
NO. 601HX	Ripper tooth (14-0270)
NO. D1U3302	Tooth, long / cat 953c

# Bulk Chain

## Laclede Chain Products

Michael Todd Industrial Supply is a proud distributor of Laclede Chain products. Checking your tire size can be easily accessible by looking at the sidewall of your old tire. Please be prepared to provide your vehicle type and tire size when ordering tire chains.



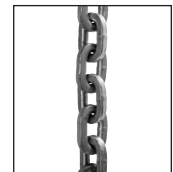
## Twist Link Continuous Cross Chain – Hardened

Part No.	Material Diameter		Weight per 100 ft (lb)	Pitch Length	Cartons (ft/pkg)	Drums (ft/pkg)
	Inches	Decimal				
<b>CROSS 3/0</b>	13/64	0.207	35	0.920	100	–
<b>CROSS 5/0</b>	15/64	0.234	47	1.000	100	–
<b>CROSS 6/0</b>	9/32	0.281	65	1.250	100	800
<b>CROSS 7LL</b>	5/16	0.312	77	1.390	100	700
<b>CROSS 7/0</b>	5/16	0.312	88	1.090	100	700
<b>CROSS 9/0</b>	3/8	0.375	124	1.265	100	500
<b>CROSS 9T</b>	3/8	0.375	115	1.650	100	500
<b>CROSS 11/0</b>	7/16	0.437	166	1.563	50	300
<b>CROSS 14/0</b>	17/32	0.531	254	1.734	50	200



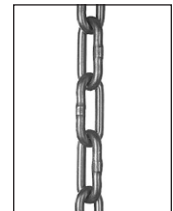
## Square Straight Link Alloy Continuous Cross Chain – Hardened

Part No.	Material Diameter	Weight per 100 ft (lb)	Pitch Length	Cartons (ft/pkg)	Drums (ft/pkg)
<b>CROSS SL7MM</b>	7 mm	90	0.955	100	100
<b>CROSS SL8MM</b>	8 mm	112	1.15	100	100
<b>CROSS SL10MM</b>	10 mm	160	1.49	100	300



## Straight Link Continuous Side Chain – Unhardened

Part No.	Material Diameter		Weight per 100 ft (lb)	Pitch Length	Cartons (ft/pkg)	Drums (ft/pkg)
	Inches	Decimal				
<b>SIDE 4/0</b>	7/32	0.218	34	1.390	100	–
<b>SIDE 6/0</b>	9/32	0.281	60	1.810	100	1000
<b>SIDE 7/0</b>	5/16	0.312	68	1.920	100	800
<b>SIDE 9/0</b>	3/8	0.375	104	2.170	100	500
<b>SIDE 11/0</b>	7/16	0.437	140	2.330	100	350



### Wire Diameter Cross-Reference Chart

Trade Size	Decimal Diameter	Fractional	Metric	Actual Min./Max.
#1	0.162	–	4.11mm	0.160/0.163
1/0	0.177	11/64	4.50 mm	0.174/0.177
2/0	0.192	3/16	4.88 mm	0.189/0.193
3/0	0.207	13/64	5.26 mm	0.205/0.208
4/0	0.218	7/32	5.54 mm	0.210/0.213
0.234	0.234	15/64	5.94 mm	0.234/0.238
6/0	0.281	9/31	7.14 mm	0.275/0.279
7/0	0.312	5/16	7.92 mm	0.298/0.303
9/0	0.375	3/8	9.53 mm	0.364/0.309
11/0	0.437	7/16	11.10 mm	0.425/0.430
14/0	0.531	17/32	13.49 mm	0.520/0.525



# Chain Repair Parts

## Side Chain Fasteners

Part No.	Used With	Standard Pkg Qty	Weight Per Pkg (lb)
5308F	Passenger, light truck	24 pieces	2
5310F	Tractor chains	12 pieces	3
20064	Medium & heavy truck, grader	12 pieces	6
20093	Heavy grader	1 piece	1
680	6/0, 7/0 & 9/0 side	30 pieces	10



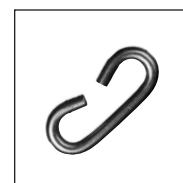
## Cross Chain Hooks

Part No.	Material Diameter		Description	Standard Pkg Qty	Weight Per Pkg (lb)
	Inches	Decimal			
20051	1/4	0.250	Light truck	50	4
20053	5/16	0.312	Medium truck	50	8
20055	3/8	0.375	Heavy truck	50	13
317	7/16	0.437	Graders	50	22
20057	13/32	0.406	Nu-Way tractor	50	19
SWIVEL 9N	7/16	0.437	9/0 swivel hook (w/o washer)	50	11
SWIVEL 11	9/16	0.536	11/0 swivel hook	50	23
RUGGO	3/8	0.375	Swivel hook w/ rubber washer		



## Quick Hooks

Part No.	Material Diameter		Description	Standard Pkg Qty	Weight Per Pkg (lb)
	Inches	Decimal			
20082	1/4	0.250	Light truck	25	2
20084	11/32	0.344	Medium truck	25	4
20085	13/32	0.406	Heavy truck	25	7



## Cross Chain Repair Links

Part No.	Material Diameter		Description	Standard Pkg Qty	Weight Per Pkg (lb)
	Inches	Decimal			
RAY #1	13/64	0.250	Passenger car	50	2
RAY #2	1/4	0.344	Light single truck	50	2
RAY #4	5/16	0.406	Heavy duty	25	5



## Rapid Links

Part No.	Material Diameter (in)	Working Load Limit	Standard Pkg Qty	Weight Per Pkg (lb)
RAPID 18	1/8	220	10	1
RAPID 316	3/16	660	10	1
RAPID 14	1/4	880	10	1
RAPID 516	5/16	1760	10	2
RAPID 38	3/8	2200	5	2
RAPID 12	1/2	3300	5	3



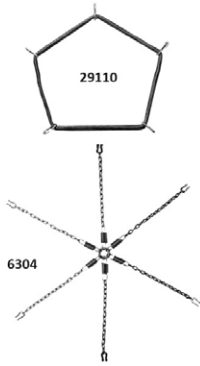
## Side Chain Repair Links

Part No.	Material x Nominal Size	Working Load Limit	Standard Pkg Qty	Weight Per Pkg (lb)
LAP 14	1/4 x 1/4	Light truck, heavy passenger	50	3
LAP 516	5/16 x 1 1/2	Heavy truck	50	7
LAP 38	3/8 x 1 5/8	Tractor	50	11
LAP 12	1/2 x 2 1/2	Tractor	25	13



# Chain Repair Tools

## Tire Chain Adjusters



Part No.	Description	Part No.	Standard Pkg Qty	Weight Per Pkg (lb)
29110	Passenger car – rubber	7429-110-00	30 ct. (2 per bag)	13
29225	Light truck – rubber	7429-225-00	30 ct. (2 per bag)	18
29229	Heavy truck – rubber	7429-229-00	30 ct. (2 per bag)	30
6302	Light truck – spring	7016-302-05	1 pair per container	1
6303	Heavy truck – spring	7016-303-05	1 pair per container	1
6304	Tractor/grader – spring	7016-304-05	1 pair per container	13

## Chain Repair Pliers



Part No.	Type – Length	Part No.	Description	Standard Pkg Qty	Weight Per Pkg (lb)
LINKFIX	Small – 6.5"	7017-301-00	Reg. passenger	1	1
7303	Large - 18"	7017-303-00	Truck	1	4
LINKMASTER	X-large - 33.5"	7017-302-23	Truck/tractor	1	7

## Heavy Equipment Chain Tightening Tool



Part No.	Length	Part No.	Description	Standard Pkg Qty	Weight Per Pkg (lb)
	19.75"	7429-250-00	Heavy truck / equipment	1	12

### Rules For Using Tire Chains

**IMPORTANT** Pre fit chains prior to actual use.

#### For Your Convenience & Safety:

- Consult owner's manual to see if chains can be used on your vehicle.
- Make certain your tire chains are properly sized for your tires. A proper fit is key to performance.
- Follow directions for installing tire chains. Apply as tightly as possible by hand for maximum chain life.
- Be sure to pull off highway to a safe place before installing, servicing or removing tire chains.
- Do not deflate tires to install tire chains.
- Drive approximately ¼ mile. Stop and retighten. Extra links may be cut or preferably retained on the fastener arm. Keep chains tight to snug throughout the operation. Only after retightening may rubber adjusters be applied. **DO NOT USE** adjusters on "all cable type" chains.
- Do not exceed 30 M.P.H. Accelerate and decelerate slowly. Avoid spinning or locking of wheels.
- If a cross chain should fail, stop immediately. Repair or remove. **DO NOT** drive with a broken chain.
- Avoid hitting curbs with tire chains.

#### Normal

Chains installed as tight as possible by hand.

30 MPH – Max Chain Life

40 MPH – 57% Chain Life

50 MPH – 31% Chain Life

#### Loose

Chains loosened by one link each side.

30 MPH – 50% Chain Life

40 MPH – 16% Chain Life

50 MPH – 7% Chain Life

# Log Chain & Hooks

## NOTICE

All items on this page are for towing and binding applications only!  
**NOT** Intended for overhead lifting!

## Bulk Chain

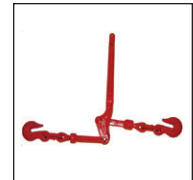
Trade Size	Working Load Limit	Feet per Drum	Approx. Weight (lb per 100 ft)	Material Size (decimal)	Length	Width
<b>Transport Chain – Grade 70</b>						
3/4"	3150	800	74	0.275	1.24"	0.460"
5/16"	4700	550	100	0.330	1.15"	0.490"
3/8"	6600	400	145	0.397	1.30"	0.600"
1/2"	11300	200	265	0.520	1.56"	0.810"
<b>Alloy Chain – Grade 80</b>						
3/8"	7100	400	150	0.397	1.22"	0.570"
1/2"	12000	200	261	0.520	1.56"	0.752"

## Transport Tow & Binder Chain Assemblies

Part No.	Trade Size	Length in Feet	WLL <sup>^</sup>	Pieces per Drum	Weight per Chain
<b>P751620</b>	5/16"	20	4700	25	22
<b>P73816</b>	3/8"	16	6600	25	25
<b>P73820</b>	3/8"	20	6600	25	32
<b>P71220</b>	1/2"	20	11300	10	58

## Load Binders

Part No.	Grade 70	Grade 40	Type	WLL <sup>^</sup>	Package	Weight (lb)
<b>W-1</b>	–	1/4"	Lever	3150	1	3
<b>7-1</b>	5/16"	3/8"	Lever	5400	1	7.5
<b>A-1</b>	3/8"	1/2"	Lever	9200	1	13
<b>R-7</b>	5/16"	3/8"	Ratchet	5400	1	12.5
<b>R-A</b>	3/8"	1/2"	Ratchet	9200	1	13.5
<b>R-C</b>	1/2"	5/8"	Ratchet	13,000	1	16



## Hooks

### Clevis Grab Hooks

Part No.	Chain Size	Grade	WLL <sup>^</sup>	Package	Weight (lb)
<b>GRAB 70-516</b>	5/16"	70	4700	10	8
<b>GRAB 70-38</b>	3/8"	70	6600	10	12
<b>GRAB 80-14</b>	1/4"	80	3500	10	5
<b>GRAB 80-516</b>	5/16"	80	4500	10	8
<b>GRAB 80-38</b>	3/8"	80	7100	10	10
<b>GRAB 80-12</b>	1/2"	80	12,000	10	20



### Clevis Slip Hooks

Part No.	Chain Size	Grade	WLL <sup>^</sup>	Package	Weight (lb)
<b>SLIPA 14</b>	1/4"	70	2750	10	5
<b>SLIPA 516</b>	5/16"	70	3600	10	8
<b>SLIPA 38</b>	3/8"	70	5550	10	13
<b>SLIPA 12</b>	1/2"	70	9400	10	19





# Round & Square Point Shovels

## Round Point: Long & D-Handle



	Part No.	Description
A	<b>AR2UD</b>	True Temper forged round-point shovel with comfort step and D-grip on 24" hardwood handle; 9" W, 42.5" H, 5.31" D
B	<b>R2UD</b>	Razor-Back forged round-point shovel with 30" hardwood handle, dual rivet extended tab socket, rolled step; 6.5" D, 41" H, 8.75" W
C	<b>PAR248</b>	Union Tools round-point shovel with 48" hardwood handle, 9.25" by 11.5" open back blade; 4" D, 59" H, 7.37" W
D	<b>AR248</b>	True Temper forged round-point shovel with comfort step and cushion end grip on 45" hardwood handle; 5.3" D, 57" H, 8.75" W
E	<b>R248</b>	Razor-Back round-point shovel, open back with 48" hardwood handle; 6.5" D, 58.25" H, 8.875" W
F	<b>2594700</b>	Razor-Back round-point shovel, super socket with power step, fiberglass handle and cushion D-grip; 5.25" D, 44.25" H, 9" W
G	<b>2594400</b>	Razor-Back round-point shovel, super socket, power step, 48" fiberglass handle with mid-grip and cushion grip; 5.25" D, 62.25" H, 9" W

## Square Point: Long & D-Handle



	Part No.	Description
A	<b>AS2UD</b>	True Temper forged square-point shovel with comfort step and D-Grip on 24" hardwood handle; 4/5" D, 42.5" H, 9.64" W
B	<b>PAS248</b>	UnionTools square-point shovel with 44" stained hardwood handle, open-back blade, forward turned step; 4.5" D, 59.125" H, 9.5" W
C	<b>AS248</b>	True Temper forged square-point shovel with comfort step and cushion end grip on 45" hardwood handle; 4.5" D, 57.63" H, 9.64" W
D	<b>S248</b>	Razor-Back square-point shovel with tab socket and rolled step, 48" hardwood handle; 5.375" D, 58.5" H, 9.5" W
E	<b>2594500</b>	Razor-Back square-point shovel with traditional socket, 48" fiberglass handle with cushion grip; 6.25" D, 61.5" H, 9.5" W



# Drain, Tamper, Post Hole Digger & Forks

## Drain & Irrigation

	Part No.	Description
<b>Irrigation Shovels</b>		
A	<b>AIR248</b>	Razor-Back irrigation shovel with 48" wood handle, open-back and rolled-step; 3.875" D, 59" H, 8.875" W
B	<b>1258200</b>	Jackson solid shank #00 Irrigation shovel, 47" hardwood handle; 3.5" D, 56" H, 7.25" W
<b>Drain Spades</b>		
C	<b>DS16</b>	Razor-Back 16" drain spade with wood handle and D-grip; 2.825" D, 49.25" H, 5.75" W
D	<b>B16PS</b>	Jackson 16" #2 blade, ditch/post shovel with armor D-grip, 27" hardwood handle; 2.75" D, 43.25" H, 6" W
E	<b>47602</b>	14" Razor-Back drain spade with 48" fiberglass handle and cushion grip; 2.125" D, 61.625" H, 6" W
F	<b>47604</b>	16" Razor-Back drain spade with 30" fiberglass handle and cushion D-grip; 2.5" D, 46.75" H, 6" W
G	<b>47024</b>	Razor-Back 4" V-shaped trenching shovel with forward step and wood handle; 6.375" D, 57.625" H, 4" W
H	<b>47034</b>	Razor-Back 4" V-shaped trenching shovel with forward turned step and 43" fiberglass handle, cushion grip; 6.325" D, 58.25" H, 4" W



## Tamper, Post Hole Digger & Forks

	Part No.	Description
<b>Tamper</b>		
A	<b>30004</b>	Razor-Back 8" x 8" tamper, steel head and handle with cushion grip; 8" D, 43.5" H, 8" W
<b>Post Hole Digger</b>		
B	<b>H48</b>	Razor-Back hercules pattern post hole digger, with 48" hardwood handle, 6" point spread; 6.5" D, 59.5" H, 6" W
<b>Forks</b>		
C	<b>FK54</b>	True Temper 5-tine forged manure fork with cushion end grip on 48" handle; 6.61" D, 60.25" H, 9.36" W
D	<b>A54</b>	Razor-Back 5-tine manure fork, forged with wood handle, 3.5" tine spacing; 6" D, 60.5" H, 9.75" W
E	<b>BA54</b>	Razor-Back 5-tine barley fork, forged, with wood handle, 3.5" tine spacing; 8" D, 63.5" H, 14.325" W



# Shovels & Rakes

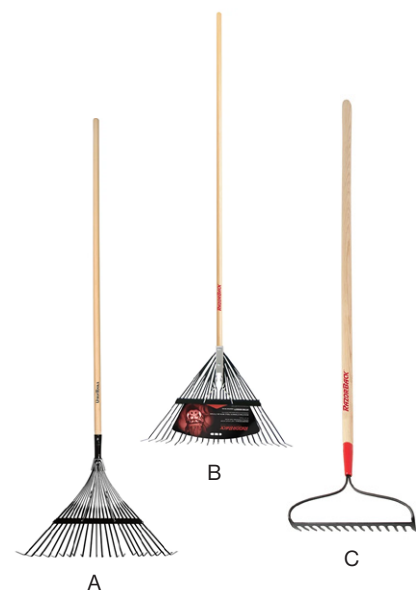
## General Purpose Shovels



	Part No.	Description
A	<b>RHGPD</b>	Razor-Back #2 general purpose steel scoop with 29" hardwood handle and steel D-grip; 5.875" D, 47.325" H, 11.25" W
B	<b>P4SN</b>	Razor-Back #4 street coal shovel with 40" hardwood handle and steel D-grip; 7.75" D, 50.75" H, 13.625" W
C	<b>C2CS</b>	Razor-Back #2 street coal shovel with 30" hardwood handle and steel D-grip; 7.325" D, 40.325" H, 13.5" W
D	<b>C2CSL</b>	Razor-Back #2 street coal shovel with wide flared deep dish and wood handle; 7" D, 60.125" H, 13.5" W
E	<b>C2ES</b>	Razor-Back #2 Eastern pattern steel scoop with 30" hardwood handle and steel D-grip; 7.25" D, 41" H, 11.125" W
F	<b>C2ESL</b>	Razor-Back #2 Eastern pattern steel scoop with 54" wood handle; 6.875" D, 66.5" H, 10.625" W
G	<b>AL12WGS</b>	Razor-Back #12 Western pattern aluminum scoop with 31" wood handle and steel D-grip; 10.75" D, 44.75" H, 15" W
H	<b>PSS12</b>	True Temper #12 poly scoop with 28" hardwood handle and D-grip; 8.28" D, 46" H, 14.37" W
I	<b>PSS12LH</b>	True Temper #12 poly scoop with 48" hardwood handle and cushion end grip; 8.27" D, 64" H, 14.37" W

## Landscape, Leaf & Bow Rakes

	Part No.	Description
A	<b>SR22</b>	Union Tools 22-tine leaf rake with 48" hardwood handle and coil spring brace
B	<b>BTS24</b>	Razor-Back 24-tine steel head with 54" hardwood handle and flexible coil spring
C	<b>B15</b>	Razor-Back 15-tine bow rake, forged with 66" hardwood handle and steel ferrule

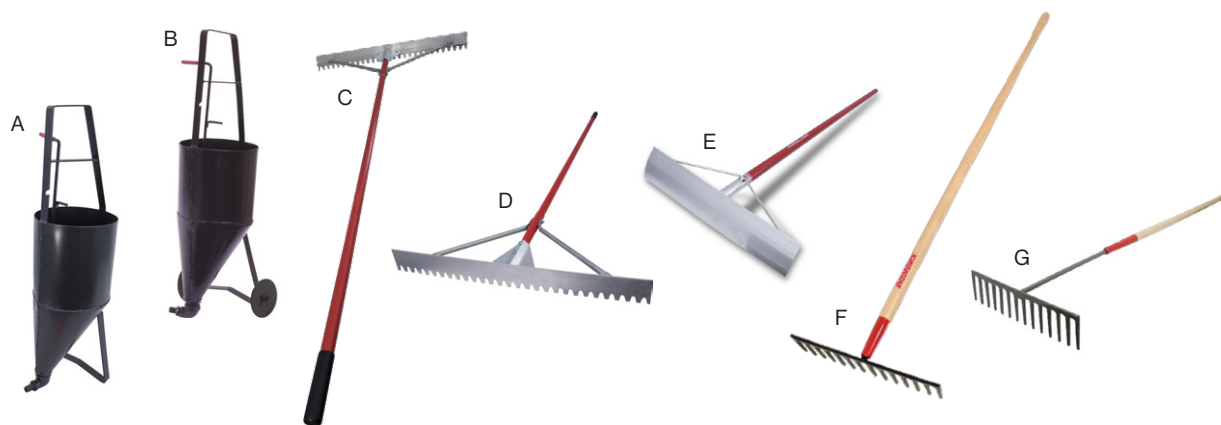




# Concrete/Ashpalt Rakes & Squeegees

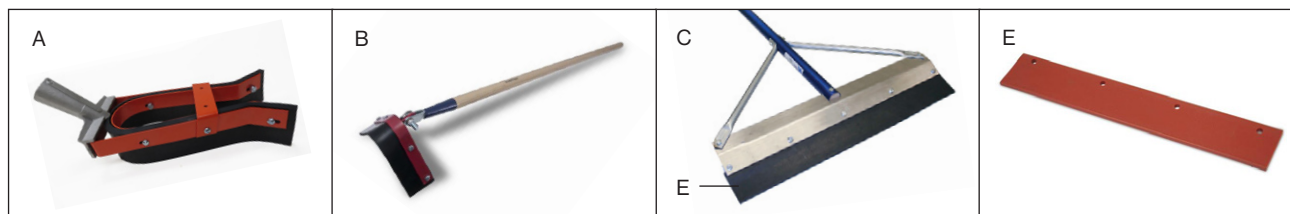
## Concrete & Asphalt Rakes

	Part No.	Description
A	<b>TAR2L</b>	Marshalltown 2.6 gallon pour pot made of 14 ga steel, fingertip nozzle, no-drip valve
B	<b>TAR2W</b>	Marshalltown 2.6 gallon pour pot with wheels made of 14 ga steel, fingertip nozzle, no-drip valve
C	<b>LUTE30</b>	Marshalltown 30" magnesium blunt tooth asphalt lute rake with T-connector and 7' aluminum handle
D	<b>LUTE36</b>	Marshalltown 36" magnesium blunt tooth asphalt lute rake with T-connector and 7' aluminum handle
E	<b>PULL CRETE</b>	Marshalltown 19.5" X 4" 10 ga aluminum Pull Crete with 60" red aluminum powder-coated handle
F	<b>R14</b>	Razor-Back 14-tine forged road rake, with 66" hardwood handle
G	<b>A14D</b>	Razor-Back 14-tine asphalt rake, forged, 60" hardwood handle, 8" steel ferrule



## Concrete & Asphalt Squeegees

	Part No.	Description
A	<b>HSU-1</b>	Marshalltown 4.25" x 10.5" U-shaped squeegee head (handle sold separately)
B	<b>TAR</b>	Marshalltown V-shaped push or pull crack squeegee with 54" wood handle
C	<b>GG845</b>	36" squared edge asphalt sealcoat squeegee with 7' handle
D	<b>GG845-01</b>	36" replacement blade
E	<b>714195</b>	V-shaped squeegee replacement rubber red silicone blade



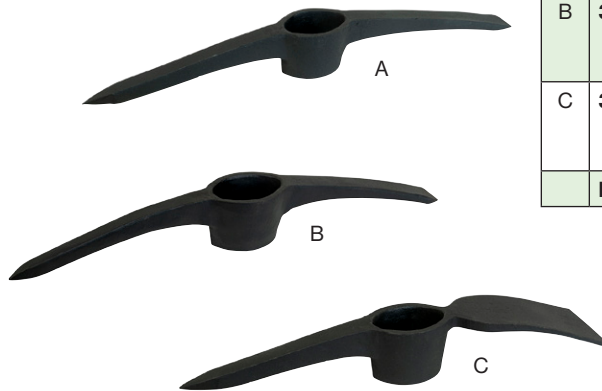
# Snow Shovels, Scrapers & Picks

## Snow Shovels & Scrapers



	Part No.	Description
A	<b>1627400</b>	UnionTools 18" deep poly combo shovel with hardwood handle and poly D-grip
B	<b>1630400</b>	UnionTools 24" wide poly snow pusher with hardwood handle and poly D-grip
C	<b>SSC</b>	Razor-Back 7" x 6" sidewalk/ice scraper forged blade with 54" hardwood handle
D	<b>PSS12</b>	True Temper #12 poly scoop with 28" hardwood handle and D-grip
E	<b>PSS12LH</b>	True Temper #12 poly scoop with 48" hardwood handle and cushion end grip
F	<b>RHSC</b>	UnionTools 7" x 4" multi-purpose scraper with 48" hardwood handle

## Picks



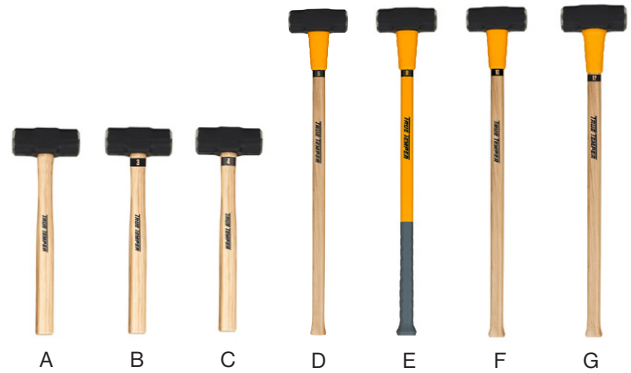
	Part No.	Description
A	<b>2-5</b>	5 lb pick mattock (head only) 19¼" overall head length 3½" wide blade
B	<b>30-5</b>	5 lb railroad pick (head only) 21" overall head length 17/16" wide blade
C	<b>30-6</b>	6 lb railroad pick (head only) 23" overall head length 17/16" wide blade
	<b>H52V2</b>	Pick handle



# Sledges & Bars

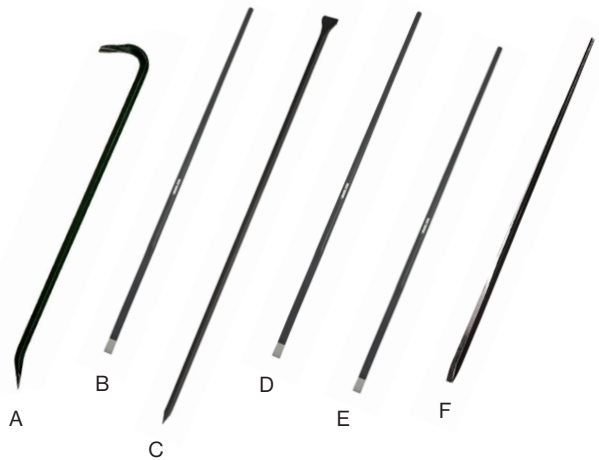
## Sledges

	Part No.	Description
A	134H-2	True Temper Toughstrike 2 lb engineer hammer, 16" American hickory handle
B	134H-3	True Temper Toughstrike 3 lb engineer hammer, 16" American hickory handle
C	134H-4	True Temper Toughstrike 4 lb engineer hammer, 16" American hickory handle
D	134H-6	True Temper Toughstrike 6 lb sledge hammer, 36" American hickory handle
E	134H-8	True Temper Toughstrike 8 lb sledge hammer, 36" American hickory handle
F	134H-10	True Temper Toughstrike 10 lb sledge hammer, 36" American hickory handle
G	134H-12	True Temper Toughstrike 12 lb sledge hammer, 36" American hickory handle



## Bars

	Part No.	Description
A	371-48	True Temper 48" gooseneck wrecking bar 1" bar stock
B	245	True Temper 60" pinch point crow bar 1.25" bar stock, 18 lb bar
C	266-17	True Temper 72" diamond point San Angelo bar 1" hex bar stock, 17 lb bar
D	260-18	True Temper 60" pinch point crow bar 1.25" bar stock, 18 lb bar
E	260-22	True Temper 66" pinch point crow bar 1.5" bar stock, 26 lb bar
F	261-18	True Temper 60" wedge point crow bar 1" bar stock, 18 lb bar

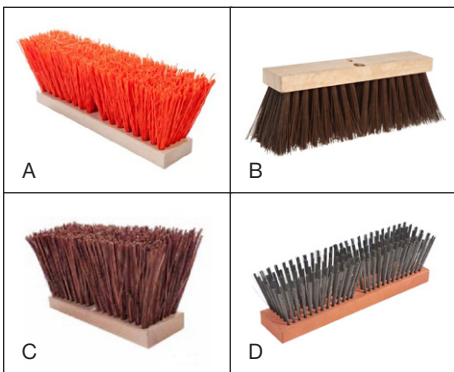


# Floor Brushes & Street Brooms

## Fine/Medium Sweeping

- aggressive center loosens dirt-flagged border controls dust
- not affected by petroleum products or wet applications
- good for all round use on smooth and medium surfaces

	Part No.	Description
A	<b>1124-A</b>	24" coarse brown polystyrene center/back/border, 3" trim length (D-60 handle sold separately)
B	<b>1136-A</b>	36" coarse brown polystyrene center/back/border, 3" trim length (D-60 handle sold separately)
C	<b>2424-A</b>	24" stiff black polypropylene, 4" trim length (D-60 handle sold separately)
C	<b>2436-A</b>	36" stiff black polypropylene, 4" trim length (D-60 handle sold separately)
D	<b>3742-A</b>	42" professional series silver flagged tip polystyrene (D-60 handle sold separately)
E	<b>2224-A-COM-96</b>	24" poly broom with steel scraper, handle & brace included



## Street Brooms

	Part No.	Description	Handle
A	<b>1316-O</b>	16" orange poly push broom	C-60
B	<b>1616</b>	16" brown poly push broom	C-60
C	<b>1516-P</b>	16" palmyra stalk street push broom	C-60
D	<b>3916</b>	16" steel wire floor brush	C-60

## Upright Brooms

	Part No.	Description
A	<b>467</b>	Lobby upright mixed-fiber broom – 26" handle, 39" overall length
B	<b>15032</b>	Warehouse upright corn broom – 37" handle, 55" overall length
C	<b>41349-67</b>	Housekeeping corn broom – 10" bristle trim, 55" overall length
D	<b>RRBROOM</b>	Metal cap broom / poly fill / chisel point on handle end

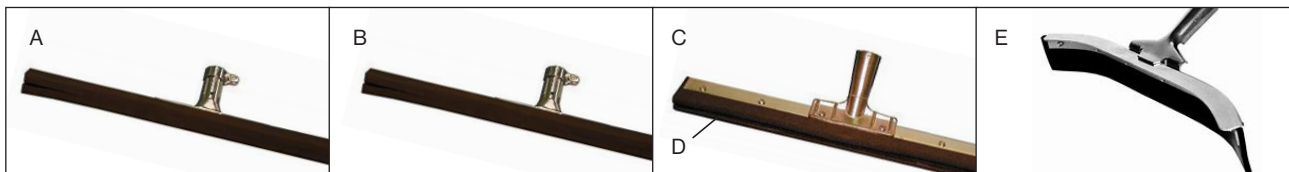




# Squeegees

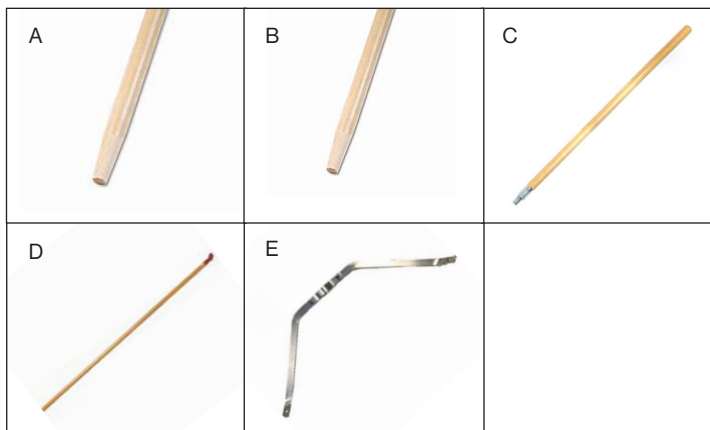
## Floor Squeegees

	Part No.	Description
A	<b>8722</b>	22" black foam floor squeegee, double edge with steel frame (T-60 handle sold separately)
B	<b>8730</b>	30" black foam floor squeegee, double edge with steel frame (T-60 handle sold separately)
C	<b>8236</b>	36" double edge black foam squeegee (T-60 handle sold separately)
D	<b>8236-R</b>	Replacement blade
H	<b>4636-TP</b>	36" curved squeegee (T-60 handle sold separately)



## Replacement Handles & Braces

	Part No.	Description
A	<b>C-60</b>	1-1/8" x 60" tapered handle
B	<b>T-60</b>	15/16" x 60" tapered wood handle
C	<b>M-60</b>	60" lumathread handle
D	<b>D-60</b>	60" heavy duty junco handle
E	<b>99</b>	Rigid broom brace



## Misc Hand Tools

### Litter Pick Up Tool



#### No. EZREACH-32

EZ Reacher 32" non-locking litter pick-up tool

- Rustproof stainless steel fingers and strong aluminum shaft with black plastic pistol grip
- Wide 4.5-inch jaw capable of lifting up to 8 lb
- Rubber cup ends for added grip and protection

### Measuring Wheels



#### No. RRT12

Keson molded spoke measuring wheel with top reading and thumb reset

Wheel size: 3' circumference, 12.5" diameter

- Units: feet & inches
- Wheel type: heavy duty, ABS frame & co-molded polyurethane tire



# Concrete Hand Tools

## Finishing Trowels

Part No.	Description
13205	12" x 3" high-carbon steel, curved durasoft handle
13225	14" x 3" high-carbon steel, curved durasoft handle
13249	16" x 4" high-carbon steel, curved durasoft handle
13269	18" x 4" high-carbon steel, curved durasoft handle
13273	20" x 4" high-carbon steel, curved durasoft handle
13523	16" x 4" fully rounded, high-carbon steel, curved durasoft handle
13525	18" x 4" fully rounded, high-carbon steel, curved durasoft handle
13527	20" x 4" fully rounded, high-carbon steel, curved durasoft handle



## Heavy-Duty Zinc Hand Groovers

Part No.	Description
14105	6" x 4 3/8" blade, 1/2" D, 3/8" W
14106	6" x 4 3/8" blade, 3/4" D, 3/8" W
14107	6" x 4 3/8" blade, 1" D, 3/8" W



## Blue Steel Hand Edgers

Part No.	Description
14160	9" x 6" BS edger, straight, 3/8" radius, 1/2" lip
14161	9" x 6" BS edger, straight, 1/2" radius, 5/8" lip
14170	6" x 6" BS edger, straight, 3/8" radius, 1/2" lip
14172	6" x 6" BS edger, straight, 1/2" radius, 5/8" lip
14224	6" x 6" BS edger, straight, 1/8" radius, 1/4" lip



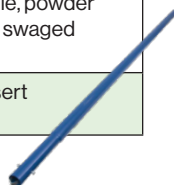
## Hand Float

Part No.	Description
14203	20" x 3 1/8" round-end magnesium hand float, durasoft handle
14610	16" x 3 1/8" beveled-end magnesium hand float, durasoft handle
14611	20" x 3 1/8" beveled-end magnesium hand float, durasoft handle
14612	16" x 3 1/8" round-end magnesium hand float, durasoft handle
14613	16" x 3 1/8" cast magnesium hand float, durasoft handle
14617	16" x 3 1/8" broken-in magnesium hand float, durasoft handle
14628	16" x 3 1/8" cast magnesium hand float, wood handle
14504	16" x 3 1/2" redwood hand float, wood handle
14528	18" resin hand float, durasoft handle
14720	48" magnesium bull float



## Handles

Part No.	Description
14259	72" round section handle, powder coated aluminum, blue, swaged connection end
10008	72" octagon handle, insert connection end



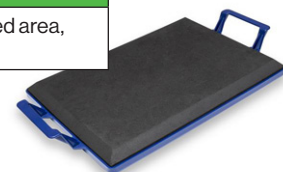
## Concrete Broom

Part No.	Description
15177	48" aluminum-backed concrete horsehair broom



## Misc.

Part No.	Description
16451	Kneeler board, 19" x 13-1/2" padded area, extra-long side handles

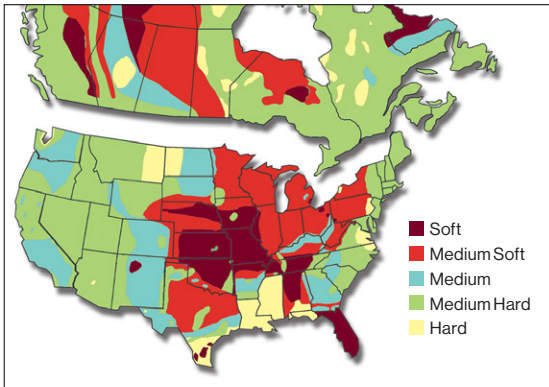


# Concrete Tools & Consumables

## Technical Info

	Critically Hard	Hard	Medium	Soft	Green (<48 Hrs Old)
Hardness	8000 PSI (Power Plants)	6000–8000 PSI (Bridges & Airport Runways)	4000–6000 PSI (Highways & Walks)	2000–4000 PSI (Patio/Walks)	Less than 2000 PSI
Aggregate Type	Flint, Chert, Basalt, Trap Rock, Quartz	River Rock, Quartz, Some Granite, Schist	Some Limestone, Dolomite, Some Marble	Sandstone, Some Limestone & Some Marble	Can be any combination of rocks determined by end-product usage
Aggregate Sizes	+1½" Sieved Gravel ←-----→				Pea Gravel (approx. 1/4" diameter)
Sand	Round (Low Abrasion)	←-----→ <i>Processed sand normally "sharp"   River sand normally "round"</i>			Sharp (High Abrasion)
Steel Reinforcing	<b>Heavy</b> • # rebar (6181) • Multi mat wire mesh		<b>Medium</b> • Multi mat wire mesh • #4 rebar (1/2")	<b>Light</b> • Single mat wire mesh	
Blade or Core Bit Bond Hardness Selection	Soft Bond -----→				Hard Bond

## Aggregate Map



## Cutting Depth & Speed Chart

Blade Size (inches)	Cutting Depth by Application (in.)					Speed	
	Flat Saw	Wall Saw	Masonry	High Speed	Tile	Rec. RPM	Max. RPM
4	—	—	—	—	¾	9072	15000
4½	—	—	—	—	1	8063	13300
5	—	—	—	—	1¼	7257	12000
6	—	—	—	—	1¾	6048	10185
7	1½	—	—	—	2¼	5184	8730
8	2	—	—	—	2¾	4536	7640
9	—	—	—	—	3¼	4032	6790
10	3	—	—	—	3¾	3629	6115
12	3¾	—	—	—	—	3024	5095
12HS*	—	—	—	4	—	—	6300
14	4¾	4¾	5	—	—	2592	4365
14HS*	—	—	—	4¾	—	—	5460
16	5¾	—	6	—	—	2268	3820
16HS*	—	—	—	6	—	—	4725
18	6¾	6½	7	—	—	2016	4500
20	7¾	—	8-	—	—	1814	3055
20¾	—	—	8+	—	—	1814	3055
24	9¾	9½	—	—	—	1512	2550
26	10¾	—	—	—	—	1396	2350
30	11¾	11½	—	—	—	1120	2040
36	14¾	14½	—	—	—	1008	1700
42	17¾	17¾	—	—	—	864	1455
48	19¾	20¾	—	—	—	756	1275

### Questions to consider when choosing a diamond blade:

- How big is the job?
- What is the material?
  - Brick or block?
  - Combination of brick and block?
  - Green concrete?
  - Cured concrete?
  - Asphalt?
- What is the cutting method? Wet or dry?
- What kind of equipment is being used?
  - High speed hand held saw?
  - Masonry table type saw?
  - Walk behind saw? (low or high hp)
  - Hand held power tool?
- How deep is the cut?
- Are you using a proper blade diameter for the required depth? Remember: a 5" cut requires a 14" blade.
- Are you using higher quality blades that are more economical?



**Michael Todd is a proud distributor of Diamond Vantage blades and tools. Visit [diamondvantage.com](http://diamondvantage.com) to view their full-line catalog.**

# Early-Entry Saws & Diamond Blades

## Early-Entry Concrete Saws

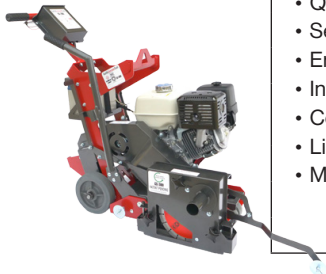
### Gorilla Concrete Tools



<b>No. DV-GCT-8EE</b> <ul style="list-style-type: none"> <li>• Great for same-or next-day cutting</li> <li>• Front &amp; rear pointers for cut accuracy</li> <li>• Quick blade-depth adjustment</li> <li>• 3-position handle</li> <li>• Integrated wrench holder</li> <li>• Green skid plate to reduce chipping</li> <li>• Made In USA</li> </ul>	<b>Blade Capacity</b>	8" maximum
	<b>Weight</b>	140 lb
	<b>Arbor Size</b>	7/8"
	<b>Cutting Depth</b>	Up to 2"
	<b>Frame Construction</b>	Powder coated steel
	<b>Wheel Size</b>	4" dia x 2" w
	<b>Vacuum Requirements</b>	250 CFM with 2" dust port
	<b>Motor</b>	Honda GX200 (5.5 hp) or Kohler CH270 (7 hp)



<b>No. DV-GCT-GS100</b> <ul style="list-style-type: none"> <li>• Great for same-or next-day cutting</li> <li>• Front &amp; rear pointers for cut accuracy</li> <li>• Ergonomic handle</li> <li>• Integrated wrench holder</li> <li>• Lightweight for 1-person loading &amp; unloading</li> <li>• Made In USA</li> </ul>	<b>Blade Capacity</b>	8"
	<b>Weight</b>	108 lb
	<b>Arbor Size</b>	7/8"
	<b>Cutting Depth</b>	Up to 2"
	<b>Frame Construction</b>	Powder coated steel
	<b>Vacuum Requirements</b>	250 CFM with 2" dust port
	<b>Motor</b>	Honda GX200 (5.5 hp) or Kohler CH270 (7 hp)



<b>No. DV-GCT-G5300</b> <ul style="list-style-type: none"> <li>• Quick blade-depth adjustment</li> <li>• Self-propelled</li> <li>• Ergonomic handle</li> <li>• Integrated wrench holder</li> <li>• Centered lifting hook</li> <li>• Linkage-controlled front pointer arm</li> <li>• Made In USA</li> </ul>	<b>Blade Capacity</b>	10"
	<b>Weight</b>	305 lb
	<b>Arbor Size</b>	7/8"
	<b>Cutting Depth</b>	Up to 3"
	<b>Drive</b>	High-torque electric drive with variable speed
	<b>Vacuum Requirements</b>	250 cfm with 2" dust port
	<b>Motor</b>	Honda GX390 (11.7 hp)
	<b>Engine Start</b>	Recoil

## Diamond Vantage Zenesis Early-Entry Blades

These blades are designed to last longer and cut faster than standard early entry blades.

Zenesis' patented diamond technology also generates cleaner, smoother cuts in green concrete. The blades come in several sizes and are color-coded to carry out your job from very abrasive to very hard aggregate. Zenesis blades incorporate the all-new ninja arbor that's designed to make fitment of blade quick and easy.

<b>No. Z100 PURPLE</b> Application: very hard aggregate, flint, chert	<b>No. Z550 YELLOW</b> Application: soft granite, limestone	<b>No. Z200 GREEN</b> Application: medium to hard chert, traprock	<b>No. Z350 ORANGE</b> Application: medium traprock, quartz

# Core Drills, Stands & Bits

## Handheld Core Drill

<b>No. DRE4</b> <ul style="list-style-type: none"> <li>Wet or dry diamond core drilling</li> <li>Water swivel &amp; extraction port built into spindle</li> <li>Hand-held to standing capability</li> <li>Power input: 2,200 W</li> </ul>	<b>Power</b>	19.5 amp / 110 v
	<b>Max Drilling Diameter</b>	6"
	<b>Load Speed</b>	1. Gear 3¼"–6¾" 0–510 rpm 2. Gear 1¼"–3¼" 0–1150 rpm 3. Gear ½"–1¼" 0–2250 rpm
	<b>Spindle Connection</b>	5/8" x 11 unc & 1¼" x 7 unc
	<b>Collar Diameter</b>	60 mm
	<b>Carry Case Included</b>	Yes
	<b>Weight</b>	15 lb



## Core Drill Stand

<b>No. DRE4S</b> <ul style="list-style-type: none"> <li>Lightweight, robust drill stand</li> <li>Available vacuum base (Model DRE4-V) to handle all types of applications (optional, sold separately)</li> <li>Stand adjustable up to 45 degrees for angle drilling</li> <li>Available with mounting brackets and screws</li> </ul>	<b>Max Drilling Diameter</b>	6"
	<b>Motor Mount</b>	60 mm
	<b>Drilling Angle</b>	90–45°
	<b>Base Diameter</b>	15½" x 9"
	<b>Anchor Or Vacuum Base</b>	Combination
	<b>Height</b>	30"
	<b>Weight</b>	21 lb (stand only)



## Core Bits

Core bits are available in various sizes and diamond segments for your specific needs. Call your sales representative or visit Diamond Vantage website to determine which core bit is best fit for your job.

Points to consider when ordering core bits:

- Wet or dry drilling
- Diameter and depth
- Surface hardness and application(s)
- Drill rig capacity



## Accessories

### Core Bit Extensions

Available in various threads & lengths



### Core Bit Thread Adapters

Available in various threads & lengths



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