

AMERICA'S MOST WANTED

SUPERDOME DRUM



BENT MANUFACTURING COMPANY

ULTRA PANEL
STACKABLE VERTICAL PANEL
and DROP OVER BASE



BENT MANUFACTURING COMPANY

-TOP
STACKABLE CHANNELIZER CONE



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-TOP
DELINEATOR POST



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DELINEATOR POSTS



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MASTERFLEX POST
Surface Mount Channelizer Post



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MASTERFLEX POST
EX-SERIES



BENT MANUFACTURING COMPANY

DELINEATOR BASES



BENT MANUFACTURING COMPANY

UNIVERSAL
PLASTIC BARRICADE



BENT MANUFACTURING COMPANY

WAFFLE BOARD
PLASTIC BARRICADE PANELS



BENT MANUFACTURING COMPANY

BARRICADES



BENT MANUFACTURING COMPANY

TYPE III BARRICADE



BENT MANUFACTURING COMPANY

Traffic Delineation Devices

BENT

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UNIVERSAL PLASTIC BARRICADE

- Designed for maximum stress & impact absorption w/Bent waffleboard design on back.
- Recessed areas for reflective sheeting and light mount brackets.
- Has convenient carry-handle and non-shifting stacking lugs.

Barricade Type	Type I 8" x 24" 12" x 24"	Type II 12" x 24" or 8" x 24" (top) 8" x 24" (bottom)
Material	High density polyethylene	
Color	White, yellow, orange	
Weight	14 pounds minimum	
Sand Ballasting	Maximum of 30 pounds	
Reflective Sheeting	S.E.G. / ENG. Grade / High Intensity	
Temperature Range	Freeze stress crack: -188° / Heat softening temperature: 216°	
Height	45"	
Width	24"	
Thickness	2-1/4"	

Patent No. 5,458,434

DELINEATOR POSTS

- Designed for maximum visibility, quick set-up and low maintenance.
- All posts feature a 'flare-bottom' design with one-inch wide right angle flare. Insures positive locking of post and base.
- Some models come standard in length, or we can custom cut to your specifications.
- Tested and certified to meet the crashworthy requirements of NCHRP-350.

Available Heights	18", 28", 36", 39" and 42"		
Available Styles	500 Series	600 Series	700 Series
T-top Handle	N/A	N/A	Standard
Recessed Bands	N/A	N/A	Standard
Reflectivity (available in 3" or 4" band size)	Reflexite super high intensity only	Reflexite super high intensity or 3M flexible high intensity	Reflexite super high intensity or 3M flexible high intensity
Color	Fluorescent orange, yellow or white		
Material	Low density polyethylene		
Post Diameter O.D.	4 inches		
Wall Thickness	.090" - .110"		
Post Bottom Contour	4-5/8" diameter plus 1" wide right angle flare		

T-TOP DELINEATOR POST

- Standard with molded lower handhold grip.
- Convenient T-top carry handle (a Bent Mfg. Co. exclusive) and molded in bolt hole for flashing light (new longer handgrip area).
- Improved recesses create a deeper area for reflective bands—stronger ribs provide maximum band protection.
- Bent T-top delineator posts are manufactured using state-of-the-art technology. New precision molding machines produce consistent, high quality parts.
- Tested and certified to meet the crashworthy requirements of NCHRP-350.

Post Material	Low density polyethylene
Post Color	Fluorescent, orange, yellow, white
Post Diameter	4"
Post Height	18", 28", 36", 39" and 42"
Base Material	Manufactured with 45% recycled rubber
Base Weight	8, 12, 15, 18 and 22 pounds

Patent no. 6,014,941

BARRICADES TYPE I & II

- Barricades available as complete units or as separate components (boards & legs).

Barricade Legs	Painted / Galvanized
Leg Thickness	14, 12, 11 gauge
Leg Material	Steel angle iron or steel roll formed
Leg Length	45" standard 'Universal Fitting'
Board Hole Pattern on Ctrs	4, 6, 10 inch

Panel Width	6"		8"		12"	
Material	Plastic	Plywood	Plastic	Plywood	Plastic	Plywood
Panel Thickness	1/2" waffle 290/350	1/2"	1/2" waffle 290/350	1/2"	1/2" waffle 290/350	1/2"
Panel Color	White	White	White	White	White	White
Reflective Sheeting	EG Hi-Int	NS EG Hi-Int	EG Hi-Int	NS EG Hi-Int	EG Hi-Int	NS EG Hi-Int
Panel Standard Lengths	24'	24' 30' 32' 36'	24'	24' 30' 32' 36'	24'	24' 30' 32' 36'

T-TOP STACKABLE CHANNELIZER CONE

- Multi-function device (three uses in one), 'sleeved cone,' 'tubular delineator post' and 'channelizer device.'
- Unique T-shaped handle with mounting hole for light. (New longer handgrip area.)
- Stackable with base.
- All rubber base and extra large flanged bottom.
- Tested and certified to meet the crashworthy requirements of NCHRP-350.

Channelizer Material	High density polyethylene
Channelizer Color	Fluorescent orange or white
Channelizer Weight	3 pounds
Channelizer Height	42" plus 3" handle
Base Material	Manufactured with minimum 45% recycled rubber
Base Size	Octagon: 16 1/2" x 1 1/2" • Rectangular: 18" x 28" x 2"
Base Weight	11, 15 and 30 pounds
Cone Dimensions	Top 4" tapering to 8 1/2" bottom
Bottom Flange	1 1/2"
Reflectivity	All sizes: 3M or Reflexite High intensity, super engineer, engineer grade and diamond grade

TYPE III BARRICADES

- Easy to assemble, bolt together, very portable.
- Accommodates reflective sheeting on both sides of panel and accepts two flashing lights.
- Unique base design allows for short term or permanent securing.
- Multiple barricades can be joined in series.

Material	Hot rolled high carbon steel
Dimensions — Panel	
Height (top)	5'
Height (center)	3'4"
Height (bottom)	2'8"
Width	8"
Length	4', 5', 6'
Thickness	ACX plywood: 3/4" / Douglas fir: 2"
Steel Upright Frame	1-1/2" x 1-1/2" x 3/16" x 63"
Steel Base Stand	1-1/2" x 1-1/2" x 3/16" x 60" with 2" x 2" x 8" square tubing receiver
Weight	66 pounds

ULTRA PANEL

- Large arch carry handle allows gloved workers easy, comfortable and secure grip. Molded light mount is designed for standard size light bolt and cup washers.
- Recessed reflective sheeting area, maximum width 8" x 36". Accommodates USA M.U.T.C.D. minimum of 270 square inches of reflective sheeting.
- High gravity molded rubber base hugs the road and quickly assembles and disassembles even with up to a 12" wide sign attached.
- Fully stackable with or without base with the ability to nest within 3/2".
- Multiple 60 M.P.H. plus impacts resulted in no damage to any part of the Ultra Panel, the base or the test car.
- Stacking, units stack within approximately 3/2" for compact shipping and handling.
- Custom printing available (Kids at Play, Slow, No Parking, Valet Parking, etc.) (see photo below).
- Tested and certified to meet the crashworthy requirements of NCHRP-350, also approved by the Texas D.O.T.

Panel	Low density polyethylene
Color	Cad. orange or white
Panel Weight	4 1/2 pounds
Panel Height	43"
Vertical Panel Height	36"
Vertical Panel Width	8"
Base Material	Manufactured with minimum 45% recycled rubber
Base Size	Rectangular: 18" x 13" x 1 1/2" • Rectangular: 20" x 28" x 1 1/2" Square: 20" x 20" x 1 1/2"
Base Weight	Rectangular: 9 lbs • Square: 20 lbs • Rectangular: 30 lbs
Panel Dimensions	8 1/2" x 1 1/2" top tapering to 12 1/2" x 6" at bottom
Bottom Flange	9 1/2" x 17"
Temperature Range	Freeze stress crack (tested to) -180°F Heat softening temp: +240°F
Reflectivity	High intensity, diamond grade, engineering grade, super engineering grade, or custom printing
Reflective Panel Size	8" x 24"; 8" x 34"; 8" x 36"; 8" x 12" x 27" (270 sq. inches) (U.D.O.T. Approved)

SUPERDOME DRUM

- Double (one on each side) flag mount holes with pre-molded stops for all-purpose flagging situations.
- Enlarged arch carry handle allows gloved workers easy, comfortable and secure grip.
- Ribbed dome top for increased target value and superior structural strength.
- High gravity molded rubber base hugs the road as if there was "glued down."
- Recessed reflective band tiers, maximum width 6". Accommodates USA M.U.T.C.D. 2" maximum spacing specifications.
- Two pre-molded light mounts are designed for standard size bolt and cup washers.
- Rounded dome top discourages any dangerous debris or rocks to collect on top of drum.
- Tested and certified to meet the crashworthy requirements of NCHRP-350.

Drum Materials	Low or high density polyethylene				
Color	Cad. orange				
Drum Weight	LDPE (12 lbs), HDPE (10 lbs)				
Drum Height	Base of drum to bottom of dome - 36" (meets Fed. M.U.T.C.D. VI, Section 6F-5e.) Base of drum to top of dome - 39" Base of drum to top of handle - 41 1/2"				
Drum Diameter	18" minimum (meets Fed. M.U.T.C.D. Part VI, Section 6F-5e.)				
Reflectivity	H.I. / E.G. / D.G.				
Reflective Band Size	4" / 6"				
Light Brackets	2 each				
Flag Brackets	2 each				
OPTIONAL BASE					
Base Material	Molded rubber snap-on base	Drop over base (natural bio-degradable materials or molded rubber)	Drop over base (blow-molded polyethylene plastic, sand fillable)	Sand filled snap-on (LDPE/HDPE)	Sand bag snap-on base (LDPE/HDPE)
Base Weight	25, 30, 40 lbs	28 lbs	3 1/2 lbs (empty) to 40 lbs (filled)	4 to 40 lbs	2 1/2"
Base Height	2.8"	3.25"	3.5"	3.5"	3.5"
Base Diameter	24"	26"	24"	24"	24"
Base Color	Black	Natural/black	cad. orange	Cad. orange	Cad. orange

Patent No. 5,722,788

Patent No. 6,019,542

MASTERFLEX POST EX-SERIES

- Available in two models—180° 2-way direction channelizer or a 360° full-view direction channelizer.
- Both models incorporate the latest molding techniques and materials technology.
- High impact resistant designed to withstand numerous high-speed traffic impacts with minimal adverse effect.
- Available, one piece molded rubber base made from *Hy-Last*, the highest elastic natural rubber available or the one piece injection molded A.B.S. high impact plastic with two (2) plastic anchor drive pins.
- Both styles of bases are very compatible with all styles of mounting applications, i.e.; mechanical anchors, butyl pads, hot bituminous or epoxy.
- Tested and certified to meet the crashworthy requirements of NCHRP-350.

Post	180° two-way	360° full-view
Diameter (O.D.)	3 1/2" with 4" x 12" flat	3 1/2"
Height	18", 24", 28", 36", 39", 42" and 48" (custom available)	18", 24", 28", 36", 39", 42" and 48" (custom available)
Reflectivity	3" x 12" or 4" x 12"	Multi-band 2", 3", 4", 5", 6" wide, etc.
Post Material	High impact polyethylene blend or polyurethane	High impact polyethylene blend or polyurethane
Base Material	Hy-Last rubber or A.B.S. plastic	Hy-Last rubber or A.B.S. plastic

MASTERFLEX POST

- Available in two models—a 180° 2-way direction channelizer or a 360° full-view direction channelizer.
- Both models incorporate the latest molding techniques and materials technology.
- High impact resistant designed to withstand numerous high speed traffic impacts with minimal adverse effect.
- New one piece, hollow molded rubber base made from *Hy-Last*, the highest elastic natural rubber available.
- Effective in K-marker applications.

Posts	180° two-way	360° full-view
Diameter	2-1/4"	2-1/4"
Height	18", 24", 28", 36", 39", 42", 48" (custom available)	18", 24", 28", 36", 39", 42", 48" (custom available)
Reflectivity	3" x 12" or special order	Multi-band 2", 3", 4", 5", 6" wide, etc.
Post Material	High impact polyethylene blend	High impact polyethylene blend
Base Material	Hy-Last® rubber	Hy-Last® rubber

DELINEATOR BASES

Type of Base	Standard Delineator	T-Top Cone	T-Top Cone (Rectangular)	Cone Weight for 28" Cone	Masterflex Post	Glue-Down T-Top Post
Weight (pounds)	8, 12, 15, 18 and 22	11 and 15	30	8	1, 1 1/2, 1 3/4	5 1/2
Size (diameter & thickness)	Octagon 16" x 16" x 1 1/4"	Octagon 16" x 16" x 1 1/4" x 1 1/4"	Rectangular 18" x 28" x 2"	Octagon 16" x 16" x 1 1/4"	Round 8" diameter x 3"	Round 10" x 3 1/2"
Center Opening	4 1/2"	8 1/2"	8 1/2"	10 1/4"	Solid round	4 1/2"
Diameter					2" O.D. & 3" O.D.	
Material	Black rubber	Black rubber	Black rubber	Black rubber	Black rubber or A.B.S.	Black hard rubber

WAFFLEBOARD PLASTIC BARRICADE PANELS

- High impact resistant, unique 'waffle' pattern optimizes board strength and rigidity.
- Capable of withstanding extremely variable environmental conditions.
- Has pre-molded bolt holes, 'squared' to accept carriage bolts.
- Sheeting side of panel is smooth, easy application of reflective sheeting.

Intended Application	Type I & II Barricades and Vertical Panels
Material	High density homopolymer polyethylene with UV inhibitors
Dimensions (panel size)	6" x 24", 8" x 24", 12" x 24" Thickness: .500 (1/2 inch)
Tensile Strength (ASTM D638-72)	4000 PSI
Elongation 2" min % (ASTM D638-72)	600%
Flexural Modulus (ASTM D790-71)	240,000 PSI
Brittle Temperature	-180°F
Softening Temperature	+320°F

Type of Base	Superdome Drum (Rubber)	Superdome Drum (Drop-Over Rubber)	Superdome Drum (Drop-Over Blow-Mold, Sand Fillable)	Superdome Drum (Plastic Sandbag or Sand Filled)	T-Top Cone and Superdome Combo (D-Shape)	Ultra Panel Vertical Panel	Lite Post (Octagon)
Weight (pounds)	25, 30 and 40	28	3 1/2 empty 40 filled	2 1/2 up to 50 (ballast)	30	9, 20 and 30	22
Size (diameter & thickness)	D-Shape 22" x 24" x 3 1/4"	D-Shape O.D. 26" Height 3 1/4"	D-Shape O.D. 26" Height 3 1/4"	D-Shape 18" x 24" x 3 1/4"	D-Shape 22" x 24" x 3 1/4"	Rectangular 13" x 18" x 1 1/2" 20" x 20" x 1 1/4" 20" x 28" x 1 1/4"	Octagon 24" x 24" x 2 1/4"
Center Opening	4 1/2" x 8 1/2"	I.D. 22" O.D. 26"	I.D. 22" O.D. 26"	N/A	8 1/2"	6" x 12 1/2"	12" x 9"
Material	Black rubber	Natural bio-degradable materials or black rubber Patent #6,019,542	Polyethylene plastic, black/ cad. orange	Polyethylene plastic, cad. orange	Black rubber	Black rubber	Black rubber