

FRC Bumpers

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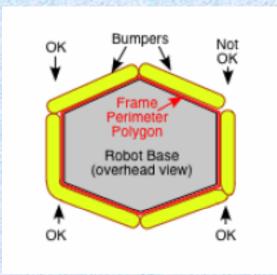
rivercityrobots@hotmail.com

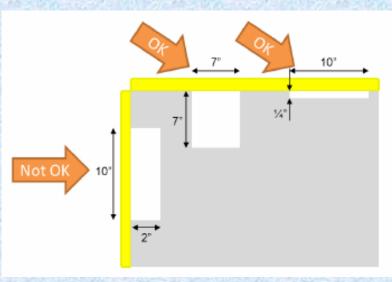
636-542-0533



Bumpers - Coverage

- Mind the Gaps
- Back Up with Solid Structure
- Amount of Frame
 Perimeter Covered
- Minimum Segment Length
- Distance from Floor (Bumper Zone)

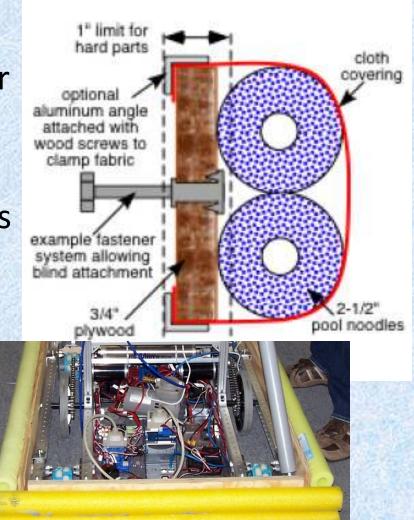






Bumper Rules - Construction

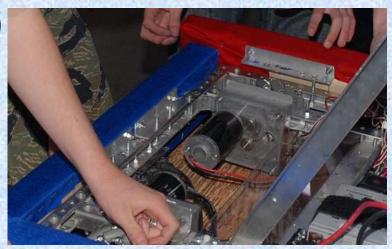
- ¾" by 5" Plywood Backing
- 2.5" Pool Noodle with Center Hole
- Hard Parts < 1" from Chassis
- Soft Parts < 3.5" from Chassis
- 1000 Dernier Cordura Plus® for the Bumper cover
- Aluminum Angle (3/4" x 1/16" or 1/8") on Top and Bottom Edges

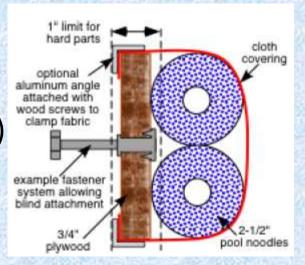




Bumper/Chassis Interface

- Distance from Floor (Bumper Zone)
- Change Color in 5 Minutes
 - Two Sets of Bumpers
 - Bumper Cover
- Fastening Approach
 - Quick Change Segments (Access)
 - Nut (B) & Bolt (C)
 - Nut/Stud (B) & Wing Nut (C)
 - Nut/U Bracket (B) & Pin (C)
 - Nut/Angle (B) & Stud (C)
 - Quick Change One Piece (Robot Clearance)
 - Corner Webs Rest on Chassis Corners
 - Semi-Permanent with Cover (Appearance)
 - Cover with Elastic or Draw String







Bumpers – Team Number

- Only Team Number on Bumper
- Location 4 Sides About 90deg Apart
- Size 4" High with 34" Stroke
- Application
 - Embroidered
 - Appliqué
 - Painted
 - Iron On
 - Before Wrapping









Bumper Materials



These 2 products match your selections

Plain

Zinc-Plated

Material

Stainless Steel

 Type ≜
 Finish
 Each

 Steel
 Zinc-Plated 98485A136 \$1.63

1000 Denier Cordura

11 oz. per sq yd. A very heavy weight nylon with a urethane coating. It has excellent tear strength and is very abrasion resistant. This fabric is amazingly tough and versatile.

Uses: heavy duffel bags or packs, soft-sided luggage, camera cases, and musical instrument cases, gaiters and go-kart racing suits...

Width: 60"

Colors Red, International Orange, Cold, Teal, Forest, Navy Blue, Wine, Electric Blue, Purple, Mariner Blue, White, Silver, Charcoal, Black, Chocolate, Wheat, Olive, Yellow, Blaze Orange (add \$1.50/yd for Fluorescent colors), Fluorescent Pink (add \$1.50/yd for Fluorescent colors), Fluorescent Green (add \$1.50/yd for Fluorescent colors), Fluorescent Yellow (add \$1.50/yd for Fluorescent colors), Woodland Camouffage (add \$1.50/yd for camo)

\$13.50/yd (add \$1.50/yd for fluorescent or camouflage colors)

\$4.00 for a Sample Pack

Seattle Fabrics

1 Add To Shopping Cart
Colors #1500 Red Mariner Blue #4345

U-Bracket am-0317



Item# am-0317

\$7.00

Add to cart

Product Description

AndyMark.com

This is a C-shaped bracket that fits over the C-Channel aluminum structural item.

Specifications

- Material: 5052 aluminum
- · Length: 3 inches
- Material thickness: 1/8 inch
- Weight: 0.13

3 Hole Bracket (am-0572)



Price: \$4.00

Stock Status: In Stock

Product Code: AM-0572