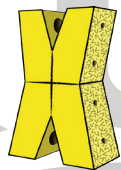


-TRUCKS[®]

PAT PEND





X-TRUCKS

ORIGINS

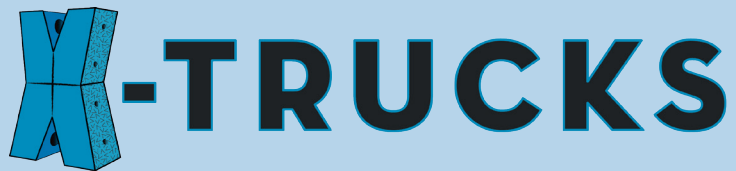
X-TRUCKS is a brand of GRUPO 201 OFICIAL, a company founded in 1945 in Mexico City, specializing in the manufacture of rubber products, specially fronton balls and later on other balls for other racket and hand sports, being the official ball of fronton in OLYMPIC, PANAMERICAN and CENTRALAMERICAN games, as well as NATIONAL AND WORLD championships.

Achiving this was only possible thanks to the constant research and development in the rubber manufacturing, which allows us to set physical characteristics, resistance, hardness, bounce and many other essential factors in order to be the official ball in these kind of events, for the proper performance of sports.

In 1998, GRUPO 201 OFICIAL ventures in the design and manufacture of rubber products for pets, which have a lot of technical requirements such as high resistance, non-toxicity and long lasting colors.

All of the above has allowed that the group acquire the right expirience in the formulation of rubber products focused in high resistance jobs and complying with high standards in their physicial and mecanical properties, favoring us in the design and manufacture of high impact products for cargo vehicles under the X-TRUCKS.





100%
PREMIUM
RUBBER

TYPES AND SIZES



Squared Bumper A:
Weight: 2.6 lb
Resistance: 4,400 lb



Squared Bumper B:
Weight: 2.8 lb
Resistance: 5,500 lb

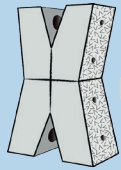


Squared Bumper C:
Weight: 4.6 lb
Resistance: 8,800 lb

- Special formula for more resistance durability.
- Energy absorption , giving you greater safety and less damage your vehicle to.
- Unlimited range of colors.

Recommendations:

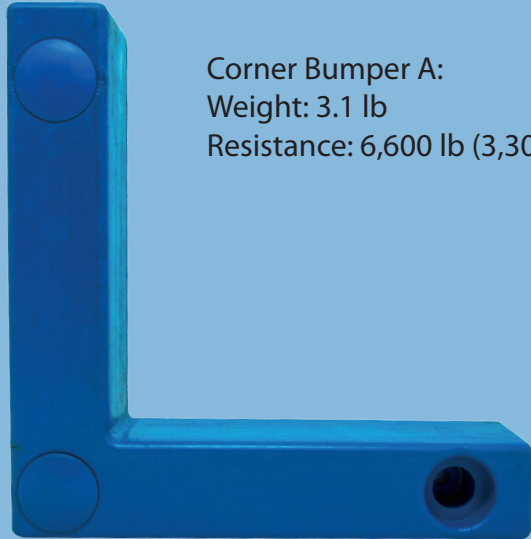
1. If you wash your car , clean your stops.
2. Each time you use a protector for your tires (ArmorAll) also apply it to your stops. Ensuring strength, durability and giving brightness.



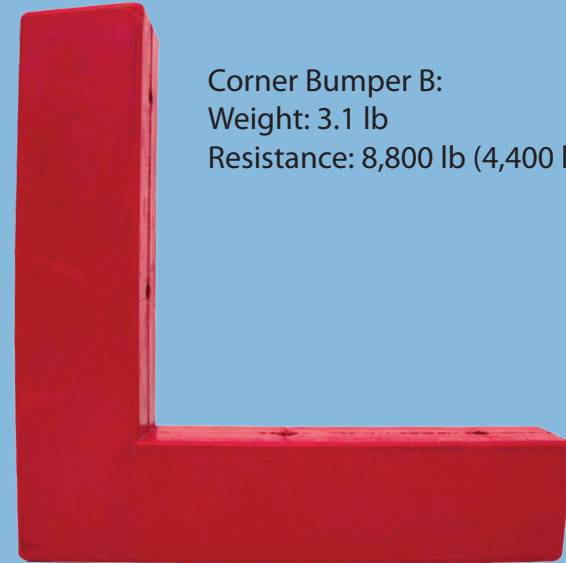
X-TRUCKS

100%
PREMIUM
RUBBER

TYPES AND SIZES



Corner Bumper A:
Weight: 3.1 lb
Resistance: 6,600 lb (3,300 lb each side)



Corner Bumper B:
Weight: 3.1 lb
Resistance: 8,800 lb (4,400 lb each side)

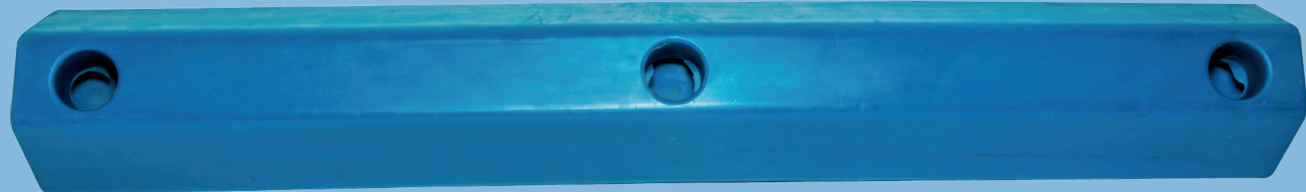
Long Bumper A:
Weight: 3.3 lb
Resistance: 7,700 lb



Long Bumper B:
Weight: 4.6 lb
Resistance: 11,000 lb



Parking Bumper A:
Weight: 9.7 lb
Resistance: 22,000 lb





X-TRUCKS

ATTRIBUTES / COLOR, BRANDING

Unlimited Color Range

Color is our boundless ally, with great variety of solid and combined colors.

Colors can be sold in pairs or individually in order to achieve vehicle color combination.

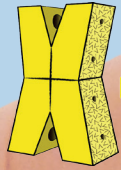
Give some color to your truck!

Give it the colors of your company!

Your Company in your Vehicle

Interchangeable branding, to personalize your product, with your brand or bodywork company.

We can achieve the colors related with the identity of your brand or company.



X-TRUCKS

MECHANICAL PROPERTIES

Great Resistance & Durability

Our great formulation and premium raw material were tested against the best recycled rubber bumpers, showing X-TRUCKS as a better quality product in the tests done by the INSTITUTO POLITÉCNICO NACIONAL.

These tests were made taking into account the operation of the products being exposed to efforts and deterioration.

In all of the tests X-TRUCKS was better, because of its elasticity, plasticity and tenacity. Also all of the bumpers recover their shape 100% after the compressive tests, so they last longer, as the recycled rubber bumpers lost their shape therefore being useless.

X-TRUCKS besides being more resistant, it also counts with a greater energy absorption (between a 10 y 12%) which makes our bumpers even more safe for both, the protection of your vehicle and the people inside. Each and any of our bumpers resist 83.53 J or 8.52KgF which means that for every meter of material the energy absorbed is more than eight and a half kilos.

Mechanical Properties of the Material

Shore A Hardness	42																
Tensile strength	σ Average = 23.13 Kg/cm ² ϵ = 3.52 % ϵ = 352 %																
Compressive strength	PAverage =1500 Kg δ Average = 3.0 cm σ Average = 54.23 Kg/cm ² ϵ Average = 0.705 % ϵ Average= 70.5 %																
Brittleness temperature	It was brought up to -23°C without fragility problems in the material.																
Freezing and thawing	It was brought up to -23°C without fragility problems in the material.																
Thermal expansion	1.18%																
Thermal contraction	1.38%																
Density	1.056g/cm3																
Chemical resistance	<table><tr><td>H₂SO₄ to 0.1 N</td><td>Na₂CO₃ to 0.1N</td><td>Na₂Cl to 5%</td><td>Na₂SO₄ to 0.1 N</td><td>HCl to 0.1 N</td><td>CH₃COOH to 5%</td><td>NaOH to 0.1 N</td><td rowspan="2">Results: Acceptable within the parameters.</td></tr><tr><td>1.1</td><td>1.3</td><td>2.1</td><td>1.5</td><td>2.7</td><td>4.6</td><td>1.6</td><td>% of mass loss</td></tr></table>	H ₂ SO ₄ to 0.1 N	Na ₂ CO ₃ to 0.1N	Na ₂ Cl to 5%	Na ₂ SO ₄ to 0.1 N	HCl to 0.1 N	CH ₃ COOH to 5%	NaOH to 0.1 N	Results: Acceptable within the parameters.	1.1	1.3	2.1	1.5	2.7	4.6	1.6	% of mass loss
H ₂ SO ₄ to 0.1 N	Na ₂ CO ₃ to 0.1N	Na ₂ Cl to 5%	Na ₂ SO ₄ to 0.1 N	HCl to 0.1 N	CH ₃ COOH to 5%	NaOH to 0.1 N	Results: Acceptable within the parameters.										
1.1	1.3	2.1	1.5	2.7	4.6	1.6		% of mass loss									

Branding area:







