Automobile Aluminum Alloy Anti-Collision Beam

This aluminum alloy beam is designed to reinforce car bumpers. Its multi-cellular cross-section maximizes energy absorption during collisions.

Product Overview

High-Performance Safety Reinforcement

This automobile anti-collision beam is engineered from high-strength aluminum alloy, specifically designed for front and rear bumper reinforcement. It features a sophisticated multi-cellular cross-section that optimizes energy absorption during impact, providing critical protection to the vehicle chassis and occupants. The lightweight construction ensures structural integrity without adding significant weight, making it a reliable safety solution for various vehicle models.

Manufacturing Process

Production Workflow

- Extrusion molding
- Precision sawing to specific length
- Machining (chamfering, bending, punching)
- Aging process
- Welding or kinking of nuts
- Anodizing

Key Features

Material

Aluminum Alloy

Application	Front Bumper, Rear Bumper, Chassis Reinforcement

Performance Metrics

Performance Focus

1 Multi-cellular
Energy Absorption Optimization

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