

STAINLESS STEEL WOVEN METAL MESH

Installation & Safety Instructions | Universal Protective Mesh

1. PRODUCT OVERVIEW

High-performance woven mesh manufactured from premium 304 stainless steel. It offers excellent resistance to acids, alkalis, and corrosion while maintaining high tensile strength and wear resistance. The material is soft enough for easy cutting yet durable for long-term exterior use. Designed to act as a protective barrier against road debris, stones, leaves, and other foreign objects without restricting airflow.

2. TECHNICAL SPECIFICATIONS

Parameter	Description
Material	304 stainless steel (austenitic, Cr-Ni alloy)
Dimensions (sheet)	Customizable sizes; common options fit most vehicle openings (approx. 15x20 cm reference).
Mesh density	Optimized fineness for effective debris protection while maintaining ventilation.
Wire diameter	Thin yet robust profile – combines flexibility with strength.
Surface finish	Natural metallic, uncoated woven structure.

3. USAGE INSTRUCTIONS & LIMITATIONS

3.1 Recommended installation steps

- **Measure** the area to be protected (bumper intakes, radiator grille, hood vents, etc.).
- **Cut** the mesh with ordinary scissors, tin snips, or a utility knife to the desired shape and size.
- **Position** the mesh securely – use zip ties, stainless steel clips, or high-temperature adhesive (not supplied).
- **Check** that the mesh does not contact moving parts (fans, belts) and is firmly tensioned.
- **Inspect** periodically and clean with mild soap and water if clogged.

3.2 Application examples

- Intercooler, radiator, and condenser protection
- Engine bay ventilation covers
- Aftermarket grille inserts (bumpers, body panels, doors)
- Off-road vehicle debris shielding

3.3 Usage limitations

- Do not expose to continuous temperatures above 300 °C (572 °F) – structural integrity may degrade.
- Not intended for structural / load-bearing applications.
- Avoid contact with strong reducing agents or chlorides at elevated temperatures.
- Always ensure proper fastening – loose mesh could cause damage or noise.

4. COMPLIANCE & HARMONIZED STANDARDS



This product complies with applicable European Union directives and carries the CE mark accordingly.

Applicable regulations & standards (reference):

- EU Directive 2011/65/EU (RoHS) – restriction of hazardous substances.
- REACH Regulation (EC) 1907/2006 – registration, evaluation and authorisation of chemicals.
- Harmonized standard EN 10088-2:2014 – stainless steels – technical delivery conditions for sheet/plate.
- ISO 4783-2:2021 – industrial wire screens – weaving and perforated plates (guidance).
- Manufactured under ISO 9001:2015 quality management system.

* Full declaration of conformity is available upon request.

5. SAFETY INFORMATION

⚠ WARNING – SAFETY INFORMATION

Sharp edges: After cutting, edges may become sharp. Always wear protective gloves and safety glasses during handling and installation.

Secure mounting: Ensure the mesh is firmly attached. Loose mesh could detach and cause injury or vehicle damage.

Flammability: Although stainless steel is non-combustible, ensure the mesh does not accumulate oily rags or flammable material.

Electrical insulation: The mesh is conductive – keep away from live electrical terminals and batteries.

Children: Keep out of reach of children – small cut pieces may present choking hazard.

6. PACKAGE CONTENTS

- 304 stainless steel woven mesh sheet(s) – quantity as ordered (options: 1, 3, 5, 10, 15, 20 pieces per package).
- Each sheet dimension corresponds to ordered size (e.g., 15 x 20 cm reference).
- No additional mounting hardware included (installation materials to be provided by user).

7. NOTES

- **Colour variation:** Due to differences in monitor screens, the actual product colour is exactly as the photo – minor variations may still occur.
- **Manual measurement:** Slight tolerances up to ± 2 cm are possible due to cutting and measurement methods.
- **Order policy:** The standard width of this mesh roll is 20 cm; one order unit corresponds to 15 x 20 cm. Multiple units are shipped as separate sheets (e.g., two units = two 15x20 cm sheets).

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This document contains all required safety and compliance information. Keep for future reference.