



TRION Metal

Overview

TRION Metal is a prominent company specializing in the design and production of fixing systems for facade cladding and various auxiliary accessories. Established in 2019 in Osmaniye, Turkey, the company's operations are rooted in its production factory located in Başiskele/KOCAELI, with its main office situated in Pendik/İSTANBUL. TRION Metal operates as a sister company to Trion Engineering and Construction in Istanbul and Trion Akg Marble in Dubai, leveraging a broad network across the region.

Company History and Mission

Building on 13 years of experience within the TRION Group in the construction sector, TRION Metal was founded with the aim of providing comprehensive services in facade fixing systems. The company is committed to manufacturing high-quality, suitable fixing systems and auxiliary accessories for its clients. A key part of their mission is to continuously innovate and find new solutions and techniques for facade construction challenges. TRION Metal's fundamental objective is to be a reliable manufacturer and business partner, with a strong presence in Turkey, UAE, Russia, and other international markets.

Production and Quality Standards

All manufacturing processes at the factory adhere to modern practices within the steel construction industry and strictly comply with international fabrication standards.

Materials Used:

- **Stainless Steel Products:** Manufactured in AISI 304, AISI 316, and AISI 430 quality.
- **Channels and Accessories:** Manufactured from Zinc Coated (Electro Galvanized) and Dip Galvanized materials, in addition to stainless steel qualities (430, 304, 316 INOX).

Product Range

TRION Metal offers a comprehensive catalog of products designed for various facade and cladding applications:

Fixing Systems:

- Horizontal Fixing System
- Vertical Fixing System
- Z Anchor Fixing System
- L Channel Fixing System

Brackets:

- **Z Brackets:** Available in various sizes and thicknesses (e.g., H: 20-80mm, W: 27-30mm, T: 3-5mm).
- **Body Anchors:** Designed for robust support (e.g., L: 40-180mm, W: 30-40mm, H: 80-180mm, T: 3-4mm).
- **C Brackets:** Offer strong support for various applications (e.g., H: 80-200mm, L: 40-60mm, W: 80-120mm, T: 4-6mm).
- **Corner Brackets:** For secure corner installations (e.g., L: 60mm, W: 50mm, T: 4mm).
- **Omega Brackets:** Versatile brackets with various dimensions (e.g., W: 30-40mm, H: 20-120mm, T: 3-4mm, D: 8-12mm).
- **L Brackets:**
 - **L Adjustable Brackets:** Allowing for flexibility in installation (e.g., L: 100-220mm, W1/W2: 40-50mm, H: 40-50mm, T/T2: 3-5mm).
 - **L Fixed Brackets:** For stable, non-adjustable connections (e.g., L: 32-57mm, W: 30-40mm, H: 30-40mm, T: 3-4mm).

Channels:

- **G Channels:** (e.g., W: 41mm, H: 21-41mm, T: 2.5-3mm).
- **L Channels:** (e.g., W: 15-20mm, H: 85-120mm, T: 2.5-4mm).
- **L Extension Arm:** Used for extending reach (e.g., L: 50-250mm, W: 90mm, H: 50-250mm, T: 3-5mm).
- **U Channels:** (e.g., W: 30-40mm, H: 30-40mm, T: 2.5-3mm).

Accessories:

- **Adjustable Arm:** For precise adjustments (e.g., W: 40-100mm, T: 8-14mm).
- **Adjustable Arm with Welded T:** (e.g., W: 50-150mm, L: 80mm, G: 30mm, M: 10-12mm).
- **Steel Dowel:** (e.g., L: 80-95mm, d: 8-12mm).
- **Sleeve Anchor:** (e.g., L: 75-110mm, Q: 10-12mm, M: 8-10mm).
- **Undercut Anchor:**
- **Leaf Anchor:** (e.g., L: 150-350mm, W: 30mm, T: 3-5mm).
- **Wire Anchor:** (e.g., L: 150-220mm, Ø: 5-6mm).
- **Lock Nut:** (e.g., L: 36mm, W: 6-12mm, T: 20mm).
- **Hex Bolt (DIN 933):** (e.g., S: 13-22mm, K: 5.3-8.8mm, L: 20-30mm, M: M8-M14).
- **Hex Nut (DIN 934):** (e.g., S: 13-22mm, E: 14.3-24.4mm, K: 6.5-11mm, M: M8-M14).
- **Flanged Pin:** (e.g., L: 50mm, D: 4-6mm).
- **Square Washer (Plain & Serrated):** (e.g., T: 3mm, L: 25-40mm).
- **L Adjustable Arm:** (e.g., L: 45mm, W: 45mm, H: 30-45mm, T: 3mm).
- **Square Adjustable Arm:**

Projects

TRION Metal has been involved in significant projects, including:

- **Nur Astana Mosque**
 - **Client:** Sembol İnşaat
 - **Location:** Astana, Kazakhstan

- Year: 2021
- **Islamic Civilization Center**
 - Client: Trest 12
 - Location: Tashkent, Uzbekistan
 - Year: 2024
- **Imam Bukhari Complex**
 - Client: Enter Engineering
 - Location: Samarkand, Uzbekistan
 - Year: 2024

Certifications

TRION Metal holds the following certifications:

- **ISO 9001:2015 Quality Management System:**
 - Certificate Number: QMS-002211
 - Certification Period: 3 Years
 - Initial Certification Date: 09.07.2024
 - Certificate Validity Date: 08.07.2025
 - Scope: Design and manufacturing of fastening systems, natural stone and marble coating systems, and auxiliary accessories for facade cladding.
- **GOST R Certificate of Conformity:**
 - Valid From: 02.02.2022
 - Valid Until: 01.02.2025
 - Number: 0633077

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