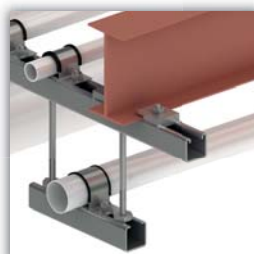
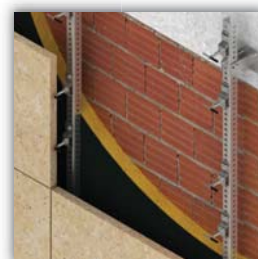
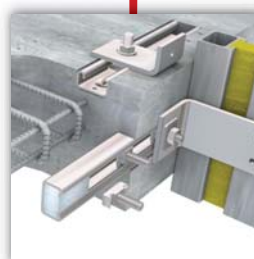
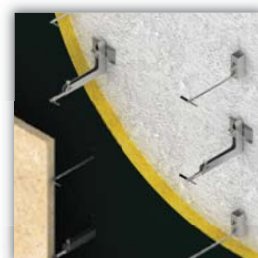


HAZ METAL FIXING SYSTEMS

Your Fixing Systems Specialist



Company Profile



Introduction

HAZ Metal is located in Iskenderun, in the southern part of Turkey, based in an area of 17.000 square meters. The company provides services in design and production of fixing systems for facade constructions.

The company's objective is to assist and advise its clients in choosing the most suitable fixing systems for their requirements and to provide them with quality production.

HAZ Metal has dedicated itself in supplying easy to use, secure and economical fixing systems. Along with this principle, HAZ Metals' technical department designs and produces fixing systems in accordance to international standards.

HAZ Metal has 250 employees working in Turkey and in its foreign branches. Along with a sales office in Istanbul, Turkey, there are HAZ branches in the United Arab Emirates, Germany, United Kingdom, Russia, Qatar, Egypt and Singapore. With this network, HAZ Metal reaches out closer to their clients, to provide better services to meet local requirements.

The innovative design and production techniques offer practical and economic solutions to solve every possible problem within the scope of facade cladding. As a supplier of fixing systems to major projects around the world, HAZ Metal has proven its quality and reliability to its clients. The company enjoys serving the sector and works hard to constantly improve and develop its services.

Since its establishment in 1993, HAZ Metal has successfully supplied more than 600 projects in 40 countries around the world. HAZ Metal seeks out to become a prominent player in the facade construction industry by constantly improving its products and services.



The Factory



The Haz Metal factory is located in Iskenderun, the southern part of Turkey. Production uses the latest technological methods with ISO 9001:2008 quality management control. Total quality management systems have been established for every stage of day to day operations.

The factory is based in an area of 17.000 square meters with an enclosed production area of 10.000 square metres. There are over 100 work stations with a production capacity of more than 300 tons per month. Haz Metal has the production capacity to supply major projects of any size with high quality fixing systems.

Since 1993, the factory has increased its production capacity to meet the expanding project demand globally. Haz Metal has taken the necessary steps to ensure high quality production with acceptable lead times.

This has been done by establishing state of the art production lines with modern machinery at Haz Metal. The factory is equipped with machines capable of processing any type of cold working production methods for stainless steel.

Haz Metal has its own workshop to produce moulds and dies required for the production of custom designed fixing systems.



• Slitting line



• Automated robotic welding line



• Laser cutting machine



• Automated pressing line



• Hydromat - 16 head auto transformer



• Automated channel processing line



• Testing laboratory



• Welding robot



• Automatic end part former

Company Profile

Product Range

HAZ Metal started producing fixing systems in 1993. Today, in HAZ Metal, there is a comprehensive technical know-how and an advanced manufacturing technology to produce various types of fixing systems used for facade cladding. HAZ Metal offers fixing systems for the following areas of facade construction.

- Stone fixing systems for natural stone cladding
- Sub channel systems for rainscreen cladding
- Anchor channel systems for curtain wall cladding
- Prefabricated concrete panel fixing systems
- Framing systems for secondary structures
- Masonry support systems for brick facing walls
- Anchor bolts for connections to concrete, masonry and stone
- Structural building components

Steel structures for special application requirements are custom designed and produced in HAZ Metal which are tailored to meet project requirements & specifications.

Products are produced from stainless steel and galvanized steel material grade 1.4301 (AISI 304) & 1.4401 (AISI 316) for stainless steel and 1.0038 (SJR 235) & 1.0976 (S 355 MC) for galvanized mild steel. There are also products which are manufactured from extruded aluminium sections from grade EN AW 6063 T66.

Quality Standards

HAZ Metal implements DIN, BS, EN and ASTM standards in the design and production of fixing systems. Production is strictly controlled within the tolerances of these standards.

All products are produced by its own personnel, applying the latest production methods with modern machinery. The quality control team, under the supervision of a qualified mechanical engineer, is selected from long serving and experienced foremen.

Production is checked during each step and is compared with the production drawings and product specifications. The company is strictly bound to the concept of ISO 9001:2008 and "Total Quality Management" system. A quality control assurance system has been set up and is running. It covers the control of each process in manufacturing. Control checks are documented and are recorded for easy traceability.

The application of this management system is maintained and is a part of day to day operations.

Customer Service

HAZ Metal designs and produces quality fixing systems targeted to high end construction projects. Through constant improvements in product design, production methods and new product programs, the company strives to offer better solutions and services for the needs of their customers who are active in the ever demanding construction industry.

HAZ Metal is committed to pursuing internal investment and advancement in personnel through constant training. With this, the company is determined to provide the highest level of service to their prospective clients.



• Stone fixing systems



• Sub channel systems



• Brickwork support systems



• Concrete panel support systems



• Anchor channel systems



Stone Fixing Systems / Sub Channel Systems

HZ Z Anchor Fixing Systems



- Three dimensional adjustability - Quick and easy fixing
- Recommended projection sizes up to 135 mm & loads up to 0.8 kN
- Fixing on load bearing walls with anchor bolts or on to channels with hex bolts

AXO Body Anchor Fixing Systems



- Three dimensional adjustability - optimum static performance
- Recommended projection sizes up to 260 mm & loads up to 1.3 kN
- Fixing on load bearing walls with anchor bolts or on to channels with hex bolts

HA L Anchor Fixing Systems



- Economic fixing systems for high loads and large stone thicknesses
- Used for various projection sizes and loadings with limited adjustability
- Fixing on load bearing walls with anchor bolts

HDM Mortar Fixing Systems



- Economic method of installation on masonry and block work walls
- Recommended projection sizes up to 240 mm & loads up to 1.2 kN
- Fixing on load bearing walls with mortar

HMPA-HC3 Sub Channel System



- Steel Sub Channel systems for indirect stone installation
- Suitable for high loads and projection sizes up to 350 mm
- Anchors are attached on the channels with hex screw sets

ATS Sub Channel System



- Steel Sub Channel systems for indirect stone installation
- Suitable for projection size up to 360 mm and loads up to 5 kN
- Anchors are attached on the toothed channels with lock nut sets

HMP-ALU-AG Sub Channel System



- Aluminium Sub Channel systems for indirect stone installation
- Suitable for projection sizes up to 350 mm & loads up to 3.5 kN
- Stone panels are attached with undercut bolts and hanged on horizontal channels

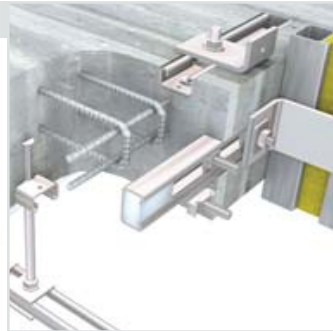
HMP-ALU-SP/H Sub Channel System



- Aluminium Sub Channel systems for indirect stone installation
- Suitable for projection sizes up to 350 mm
- Anchors are attached on the channels with self tabbing screws

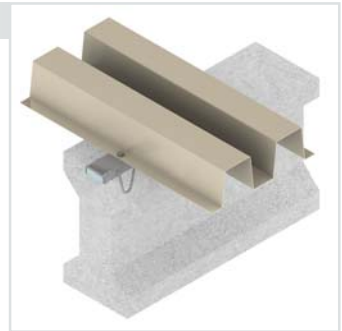
Anchor Channels / Framing Systems / Brickwork Systems & Anchor Bolts

HMPR Anchor Channels



- Anchor channels for easy & secure connections to concrete structures
- Loads of up to 44.4 kN on C30/37 concrete which are verified by technical approvals
- Attachments to anchor channel are made with corresponding T head bolts

HPTR Anchor Channels



- Cast-in channels for connections of metal cladding sheets on concrete structures
- Tensile loads of up to 5 kN are possible at 250 mm load spacings
- Attachments to cast in channels are made with self tabbing screws

HMP Framing Channels



- Cold rolled channel sections for building steel constructions
- Connections made with set screw or lock nut sets
- Verified loading tables available for channel selection

HMC Cantilever Brackets



- Brackets used for framing constructions with offsets
- Easy & secure connections made using set screw or lock nuts sets
- Verified loading tables available for channel selection

HMS Masonry Support Brackets



- Quick & secure installation of brick walls with load bearing brackets and restraints
- Suitable for projection sizes up to 350 mm and loads of up to 10.5 kN
- Brackets are fixed on load bearing walls either with anchor bolts or anchor channels

HMCS Masonry Continuous Supports



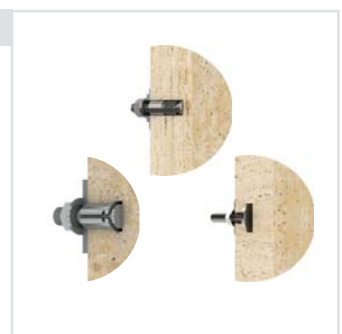
- Continuous Masonry Support angles for brick facing wall installation
- Suitable for projection sizes up to 230 mm and loads of up to 8 kN
- Brackets are fixed on load bearing walls either with anchor bolts or cast-in channels

HB Anchor Bolts



- Anchor bolt for connection to load bearing walls
- Various type of anchor bolts available for different type of wall backings
- Verified test results available for product selection

HUB Undercut Bolts



- Undercut bolts for connections on to rear surface of stone panels
- Suitable for stone panels with minimum 20 mm thicknesses
- Testing results available

Prefabricated Concrete Panel Fixing Systems

FIX-P Panel Bracket



- Fully adjustable support system
- Standard items to cover load capacity from 6 to 35 kN
- Special Design made for higher loads
- Available in various types to accommodate fixing method to



FIX-BRA Parapet Bracket



- Custom designed to suit large range of parapet components
- Wall thicknesses of up to 200 mm
- Supplied with B500 grade rebar



Special Designed Fixing Systems

Custom design for every aspect of stone and other cladding materials installation is made to suit the architectural features of the facades. HAZ Metal has a comprehensive knowledge and experience in proposing the most efficient method of fixing.



- Stone cladding around structural steel columns



- Stone cladding with putrusions at various angles

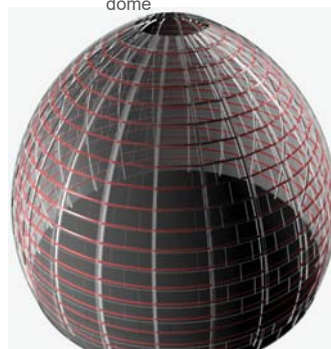


- Stone cladding on the false walls

Different techniques to install stone facades are designed and tested to suit the technical requirements of the projects. HAZ Metal has the resources to design and test fixing systems in order to receive approvals from the project consultants.



- Secondary steel structure for GRC panel installation



- Secondary steel structure around dome



- Unitized stone panel system



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Always at the forefront of fixing technology, HAZ METAL has earned a reputation as the leaders in fixing systems innovation and is regarded as the one to follow. HAZ METAL fixing systems of today become the standard of tomorrow.

HAZ METAL combines the very latest international technology with its own research and development team to establish a technical excellence within the industry. HAZ METAL readily embraces the responsibility of a major producer and shares its expertise with problem solving solutions.