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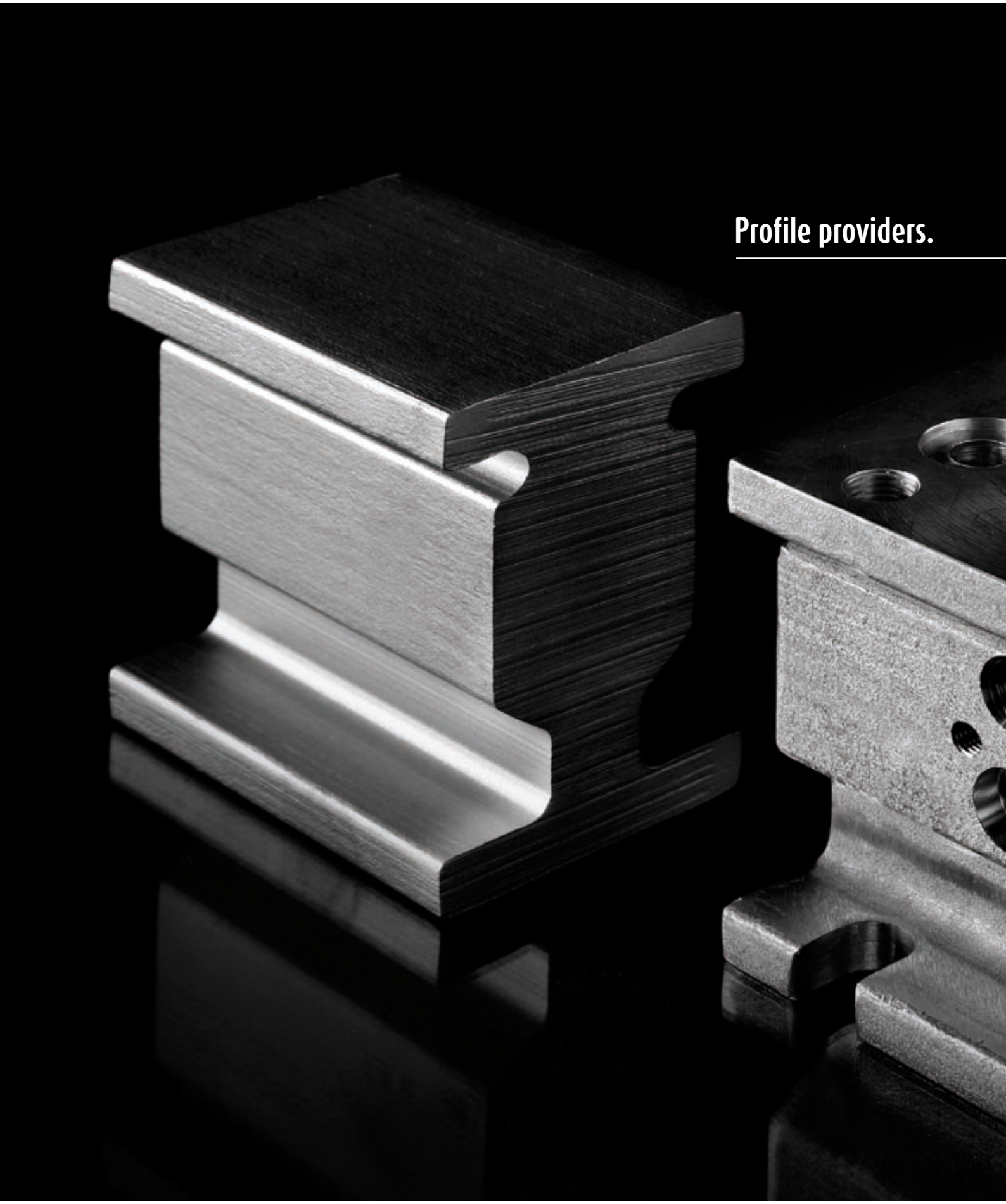
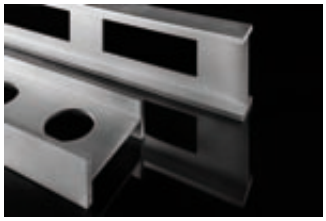

Profile providers.

QUALITY | EFFICIENCY | COMPETITIVENESS

Nowadays to compete on a global scale, manufacturers need to streamline production, reduce operating costs and offer good flexibility. For this reason we take the opportunity to introduce Kamet, which operates on both the international and domestic market and is strongly committed to support and supply either manufacturing companies and warehouses with the aim to provide a prompt and accurate service of customer's needs and "shaping" solutions.



A wide range of solid and hollow sections can be produced, offering design engineering worldwide and highly cost-effective solution to their metal forming necessities. Kamet offers suitable solutions for small and large volumes.

We can reduce the material scrap by providing a near net shape along with cut to lenght bars lowering therefore machining costs and easy-to-handle sections.

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Special profiles.

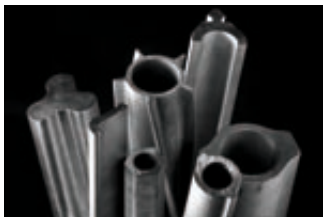
GENERAL TECHNICAL FEATURES

HOT FINISHED PROFILES

Minimum wall thickness: 3 mm - .120″
Maximum circumscribing circle: 350 mm - 13.50″
Inside diameter of hollow profile: min. 15 mm - .591″ / max. 150 mm - 6″
Weight: from 1.5 kg/m to 120 kg/m - from 1.0 lbs/ft to 80 lbs/ft
Dimensional tolerance: min. ±0.3 - .012″

COLD FINISHED PROFILES

Minimum wall thickness: 2 mm - .080″
Maximum circumscribing circle: 200 mm - 8″
Weight: from 0.05 kg/m to 120 kg/m - from .034 lbs/ft to 80 lbs/ft
Small profiles also available from coil
Dimensional tolerance: min. ±0.03 - .001″



CARBON & ALLOYED STEELS

S235, S275, S355, A36, C10, C20, C45, 1018, 1045, 18 NiCrMo5, 42 CrMo4, 4140, 4340, 8620, etc.

STAINLESS STEELS

300 & 400 series, 17-4 PH, 15-5 PH, Nitronic 50, 60, Duplex grades, etc.

NICKEL BASE ALLOYS

Monel 400, Alloy 600, A-286, Invar 36, etc.

TITANIUM

CP Gr. 2, 6Al-4V, 6Al-6V-2Sn, etc.

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Examples of applications.

AGRICULTURE

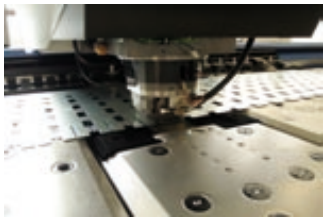
BUILDING AND CONSTRUCTION

ARCHITECTURE

AEROSPACE

ADVANTAGES

Metallurgical structure homogeneity and the non-alteration of the chemical and mechanical properties at the end of the production process of the steel variety grades have pretty much developed their application in several kind of industries such as: building & construction, food processing power generation, chemical, aerospace, pulp & paper, transportation, marine, energy, shipbuilding, automotive, offshore and many others.



PROCESSING INDUSTRIES

ENERGY

TRANSPORTATION

MISCELLANEOUS

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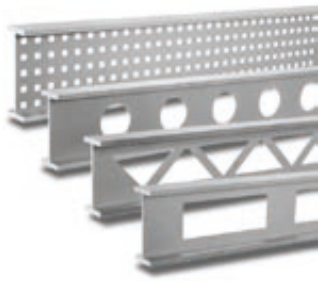
Architecture and Building.

TECHNOLOGY AND CREATIVITY

Kamet can provide a wide range of both special and structural stainless steel shapes.
These shapes can be used for architecture, building and construction which is a growing market
Many modern buildings use stainless steel for decorating, roofing and facades due to its ductility, strength and durability offering several advantages.

DESIGN BEAMS

In order to optimize their specific use and function, the selection of material thickness of both web and flange are all according to the structural engineer's instructions. It is also possible to create functional features or special designs along the web of the beams so they become eye-catching objects in modern architecture.



COMBINATION

It can be combined with a very good result to almost every material (glass, concrete, marble, wood, etc.).

DURABILITY

With appropriate grade finish selection, design, fabrication and maintenance, the appearance and properties of the stainless steel will remain uncharged over the life of a building.

ENVIRONMENT

The environmental impact of construction materials is a growing concern.
Therefore, if an appropriate grade and surface finish are selected, there should be no need to replace it.

DESIGN FLEXIBILITY

Sections can be optimized to their specific use according to the architects and engineers instructions. The combination of reduced and greater thicknesses depending on the zones subject to low or high loads.

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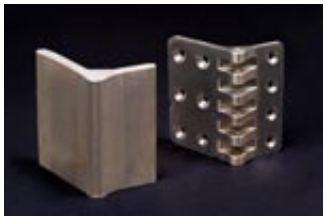
Aerospace.

IMPROVED PERFORMANCE

Materials such as stainless steel, duplex, super duplex, nickel based alloys and titanium, which only 20 years ago were considered “exotic”, have now found a wide application in our daily lives and are considered irreplaceable.
The aerospace industry is the largest market especially for titanium products. The main reasons for their wide applications and expansions are due to the low density, high strength, good elevated temperature properties, and excellent corrosion resistance.
Usage is nowadays widely spread in most of the military and commercial aircrafts with the primary areas of application as landing gear, areas of wing actuation structure, structurals parts and engines subject to critical temperatures. This would apply to all fields of engineers, designers, fabricators and final users who are looking for improved performance of products and processes.



STAINLESS GRADES

300 series
400 series
17-4 PH
15-5 PH
Duplex grade

NICKEL BASED ALLOYS

Alloy 400
Alloy 600
Invar 36
Inconel 718
Other

TITANIUM

Ti-6Al-4V
Ti-6Al-6V-2Sn
Ti-5Al
Ti-7Al-2Mo-1.8V-2Zr
Ti-4Al-1.5Mn
C.P. 2
C.P. 5

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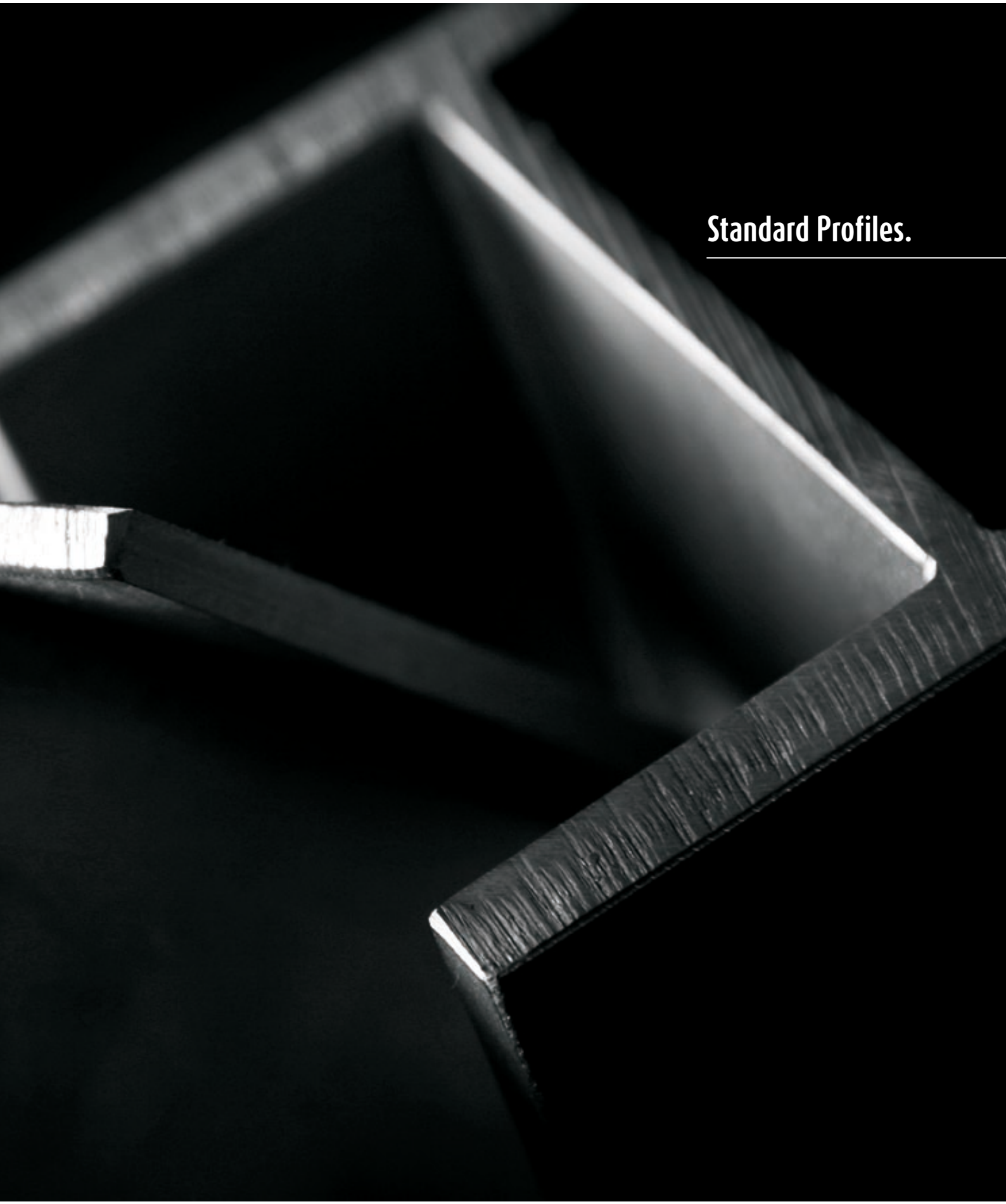


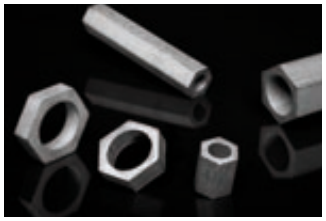
Standard Profiles.

THE ITEMS

Kamet specialization is, par excellence, to provide custom made steel profiles and shapes on client requirement. To widen the range of offer, a full line of standard profiles is also available for our customers. Some among the standard shapes are tees, angles, channels, beams and many others. Several items are available on stock too, while grades different from those listed below are ready made on request.

Grades: W.N.1.4301/1.4307 - AISI 304/304L - W.N.1.4401/1.4404 - AISI 316/316L
W.N.1.4162 – 2101 - W.N.1.4462 – 2205

STAINLESS STRUCTURAL SHAPES



STAINLESS HOLLOW HEXAGONALS

DROP PROFILES

FIN & DOUBLE OMEGA PROFILES

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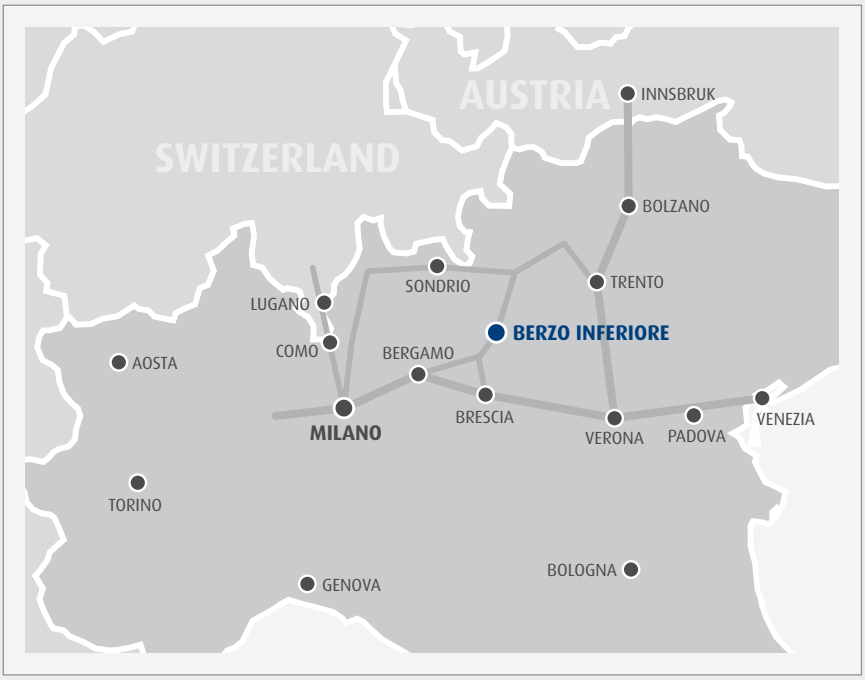

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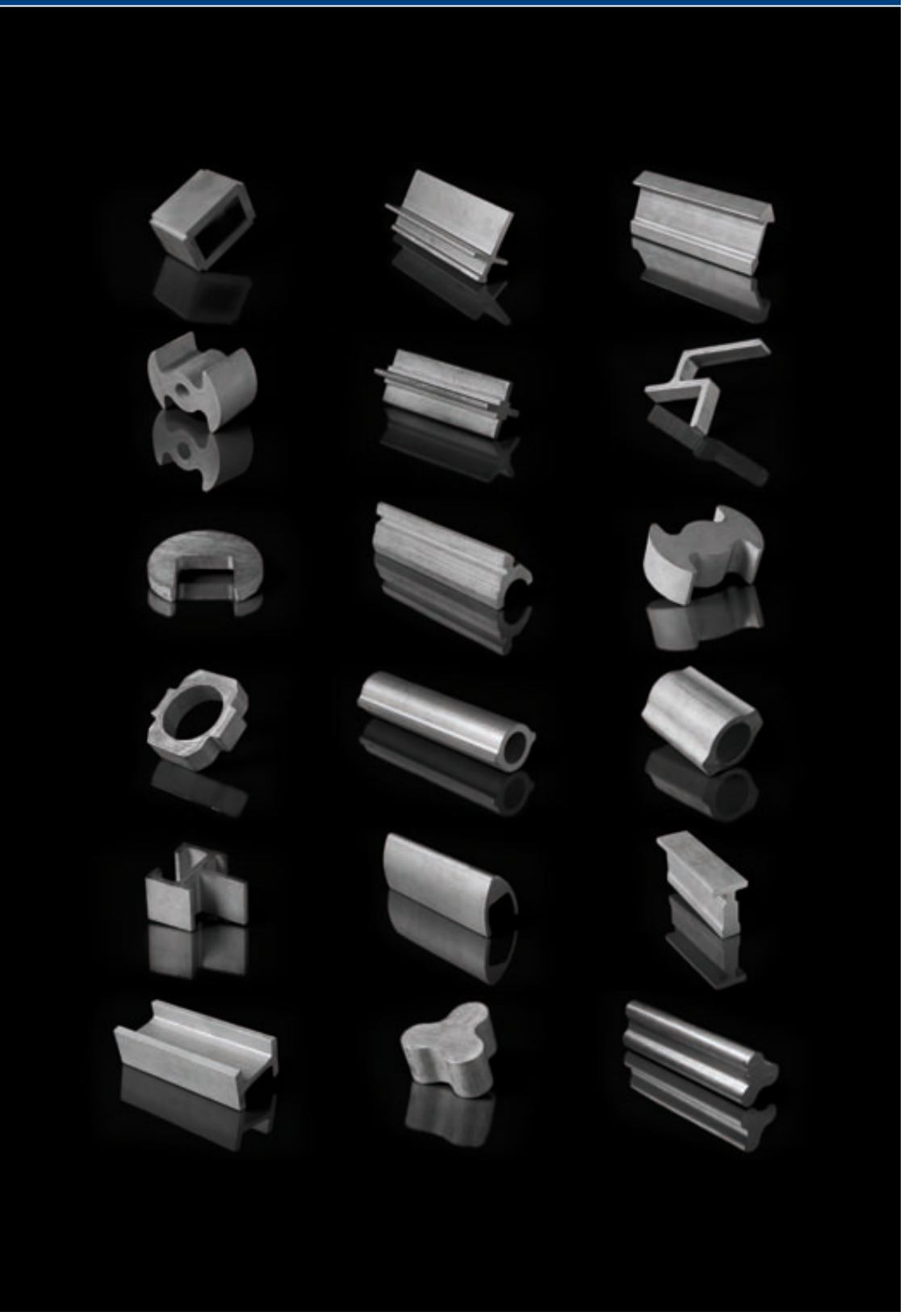

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