



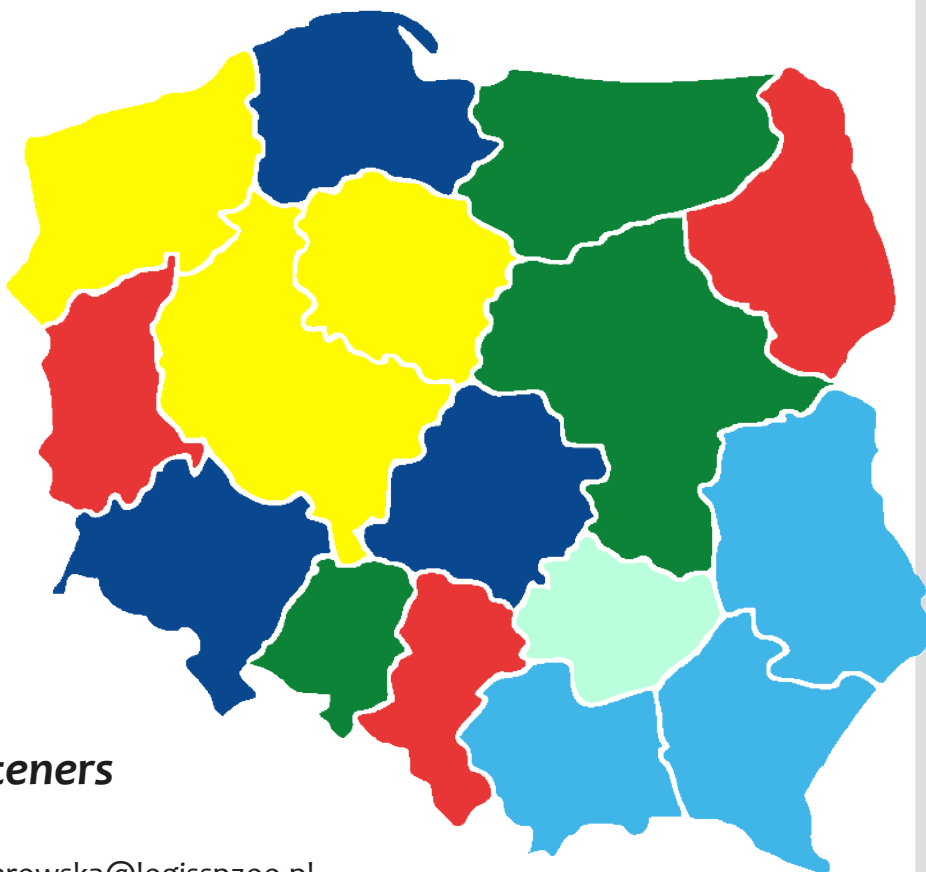
Logis [®] *sp. z o.o.*

PRZEDSIĘBIORSTWO
PRODUKCYJNO-HANDLOWE

FASTENERS

METALLURGICAL PRODUCTS

FORGINGS AND CASTINGS



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Logis®
sp. z o.o.
PRZEDSIĘBIORSTWO
PRODUKCYJNO-HANDLOWE

LOGIS Trading Company as a commercial law company was established in 2002. The company's head office and extensive warehouse facilities for fasteners are located in Kielce. The complex of warehouses for metallurgical products and the auxiliary warehouse for screw products is located in Skarżysko-Kamienna.

The guarantee of the implementation of our quality policy is the observance and continuous improvement of the implemented Quality Management System compliant with the requirements of **PN-EN ISO 9001:2015-10**.

Our mission is:

„Striving for quality and efficiency in everything we do, and the core of our efforts is customer care and the development of our Company”.

We hope that the presented offer will be interesting for you and will become an encouragement to establish a lasting and satisfying cooperation.



FASTENERS

LOGIS Sp. z o. o. is one of the largest distributors of fasteners for various branches of industry in the country. As a leader in the screwing industry we offer a wide range of standard fasteners based on such well-known brands as Śrubena Unia Żywiec and Koelner Łańcucka Fabryka Śrubiec. In addition, we have in continuous sale products from renowned manufacturers from Germany, Holland, Italy, France, Great Britain and other countries. Our offer includes products according to PN, DIN, ISO, BS, ANSI, EN standards with quality certificates as well as products made entirely according to the customer's documentation.

We have in stock **25,000** standard assortment items. This gives us the possibility of comprehensive implementation of our customers' orders in a short period of time. We consider this to be a key strength in the basic range of our products, especially bolts in sizes from **M4 to M52** and nuts from **M4 to M52**, classically differentiated in the hardness range from **5.8 to 5.6, 8.8, 10.9 to 12.9**.

*As an authorized representative of the Śrubena Unia Żywiec screw manufacturer, we particularly encourage you to familiarize yourself with the offer of **HV, SB and HR** sets used in the construction of steel structures. The products offered by us have all the required certificates and attestations.*

At the customer's request, the products are packed in metal containers of 50 kg each, cardboard boxes of various sizes and in pallet boxes.

FASTENERS

The offer of non-standard elements includes five most dynamically developed assortment groups:

1. Products for construction Industry

1.1. HV bolts for preloaded connections.

Screws of strength class 10.9 used in steel construction in prestressed joints.

A bolt set for HV prestressed connections is included in the scope of delivery:

- Screw in compliance with DIN 6914; PN EN 14399-4
- Nut according to DIN 6915; PN EN 14399-4
- Washer according to DIN 6916; PN EN 14399-5; PN EN 14399-6

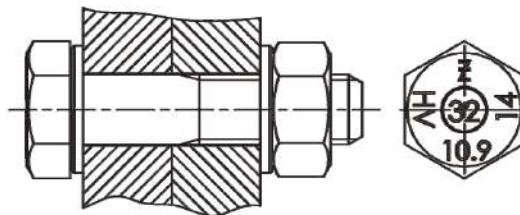
The screw sets have a permanent corrosion protection due to hot dip galvanizing.

M12-M36*

class: HV - 10.9

HR - 8.8, 10.9

***M39-M56 according to. DAST - Richtlinie 21**



1.2. SB bolts for non-preloaded connections.

Screws of strength class 8.8 are used in steel construction in non-preloaded connections.

The bolt set for non-preloaded connections SB is included in the scope of delivery:

- Bolt according to EN ISO 4014, 4017
- Nut according to EN ISO 4032
- Washer according to DIN EN ISO 7089 (washers may be used without any marking as they have a negligible influence on the properties of the joint, therefore washers are not included in the set).

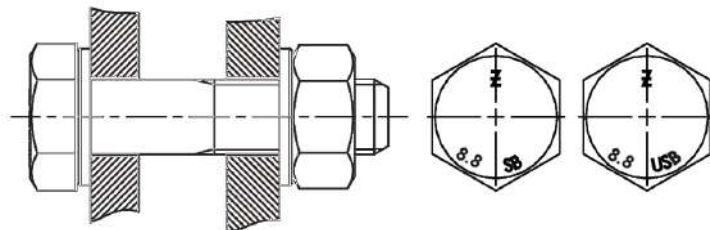
The screw sets have a permanent corrosion protection due to hot dip galvanizing.

M5-M39

bolts class: 4.6, 4.8, 5.6, 5.8, 6.8, 8.8, 10.9

nuts class: 5, 6, 8, 10, 12

washers class: min. 100HV, 200 HV, 300HV



HV and SB screw sets are supplied in labelled packages with full manufacturer and lot number information.



FASTENERS

2. Bolts for connections in the gas, petrochemical and oil industries:

- bolts and nuts for pipelines, turbines, pressure vessels and others, made of materials in grades: C45E, C35E, 25CrMo4, 21CrMoV5-7, 42CrMo4, 45-T, 35-T, 25HM, 21HMF, 1.4301, 1.4541, 1.4404;
- stud bolts type SA, Z and K according to PN-68/H-74302 from M12 to M80 with nuts according to PN-68/H-74303 type N and NF;
- stud bolts in compliance with DIN 2510;
- threaded pins according to DIN 976 from M10 to M100.

We specialize in the supply of products subject to acceptance by the Office of Technical Inspection and the Directive PED 97/23/EC. The steel used for the production of such elements are adapted to work in elevated temperatures, tempered according to PN EN 10269 and harmonized with the Directive PED 97/23/EC.

3. Foundation bolts

Made according to standards (DIN 261, DIN 529, DIN 797, DIN 7992) or drawings with coatings like: galvanic zinc, hot galvanizing, blackening and phosphating. The most common bolt types are:

- hammer head anchor bolts (type 1, type P)
- bent bar-type anchor bolts (type 2, type W)
- bent bar-closed anchor bolts (type 2, type Z)
- straight bar anchor bolts (type 2, type P)
- cup point screws for mills.

4. Screws acc. to ASME, ANSI, ASTM

We offer threaded rods and heavy nuts in ASTM standard steel, both metric and inch. Including threaded rods according to ANSI B16.5 in material grades: A193 GR. B7, B16; A320 GR. L7; A194 GR.2H, 4. UNC normal pitch inch threads and UNF fine threads made by rolling.

5. Screws according to individual sketches and drawings.

We offer products with non-standard dimensions and shapes in strength classes: 5.6, 5.8, 6.8, 8.8, 10.9, 12.9, according to PN/EN and DIN standards, according to drawings and individual arrangements with the customer. We specialize in the production of fitted bolts, hammer bolts, eye boltst, tension bolts, thumbscrews, bolts and nuts with trapezoidal thread. The size range includes diameters from M39 to M100.

The offer does not include all of our production capabilities, therefore we encourage you to submit an enquiry.

METALLURGICAL PRODUCTS

Over the years of its existence on the market, **LOGIS** has become a worthy partner for all steel pipe manufacturers in the country. The year 2004 resulted in the commencement of cooperation in the field of distribution of high quality and structural line pipes produced by EU manufacturers.

Steel pipes, apart from fasteners, are the leading assortment offered by us. Our offer includes:

- Welded steel tubes from $\varnothing 10.2$ to $\varnothing 2820$
- seamless steel tubes from $\varnothing 10.2$ to $\varnothing 508$

The pipes delivered by us can be classified according to the following specification, which includes pipe grades for all applications (boiler, construction, line, hydraulic cylinder, etc.):

TABELA NORM I GATUNKÓW RUR BEZ SZWU	
Steel grades	Application
32HA	hydraulic cylinders PN-H-74248
L210GA, L235GA, L245GA, L290GA, L360GA	line pipes for flammable media
P195TR1, P195TR2, P235TR1, P235TR2, P265TR1, P265TR2	non-alloy line pipes for operation in the ambient temperature PN-EN 10216-1
P195GH, P235GH, P265GH, 16Mo3, 14Mov6-3, 13CrMo4-5, 10CrMo9-10, X10CrMoVNb9-1	boiler pipes PN-EN 10216-2
P275NL1, P355N, P355NH, P355NL1	pipes for pressure applications made of fine grain steel PN-EN 10216-3
P215NL, P265NL	pipes for use at low temperatures PN-EN 10216-4
St37.0, St44.0, St52.0	line pipes with special requirements according to DIN 1629
S235JRH, S275J0H, S275NH, S355J0H, S355J2H, S355NH	construction pipes according to DIN/EN
E235, E275, E315, E355,	
E275K2, E355K2	general purpose pipes of alloy and non-alloy steels EN10297-1
St35.8, St45.8, 15Mo3, 13CrMo44, 10CrMo910, 14MoV63	boiler pipes according to DIN 17175

A wide selection of this assortment can be found in our steel products warehouse in Skarżysko-Kamienna.



METALLURGICAL PRODUCTS

We are perceived as a reliable and trusted supplier of pipes for the production of hydraulic cylinders used for the production of mechanized mining housings.

Pipes for mining enclosures:

Grade: 32HA

Standard: PN-H-74248

diameter range: from \varnothing 121mm to \varnothing 508mm

wall thickness; from 10mm to 50mm

thermal improvement in the category: C550, C680, C730 up to a wall thickness of 25mm

Thermal improvement above the wall thickness of 25mm to be agreed upon in case of technological possibilities of the production department.

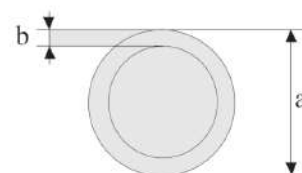
In case of pipes with non-standard dimensions (e.g. \varnothing 250, \varnothing 225, \varnothing 208), please submit inquiries each time in order to verify the production capacity. Please also specify the dimensions „ready to use”.

We would like to inform you that there is a possibility of completing deliveries covering practically the whole range of metallurgical products, e.g. metal sheets, profiles, rods, sections.

We have a band saw machine with the ability to cut diameters up to 457mm, while the tolerance of cutting is 0.5mm on the length.

Formula to calculate the theoretical weight of 1 m steel pipe:

$$Q = [(a - b) \times b] \times 0,02466$$

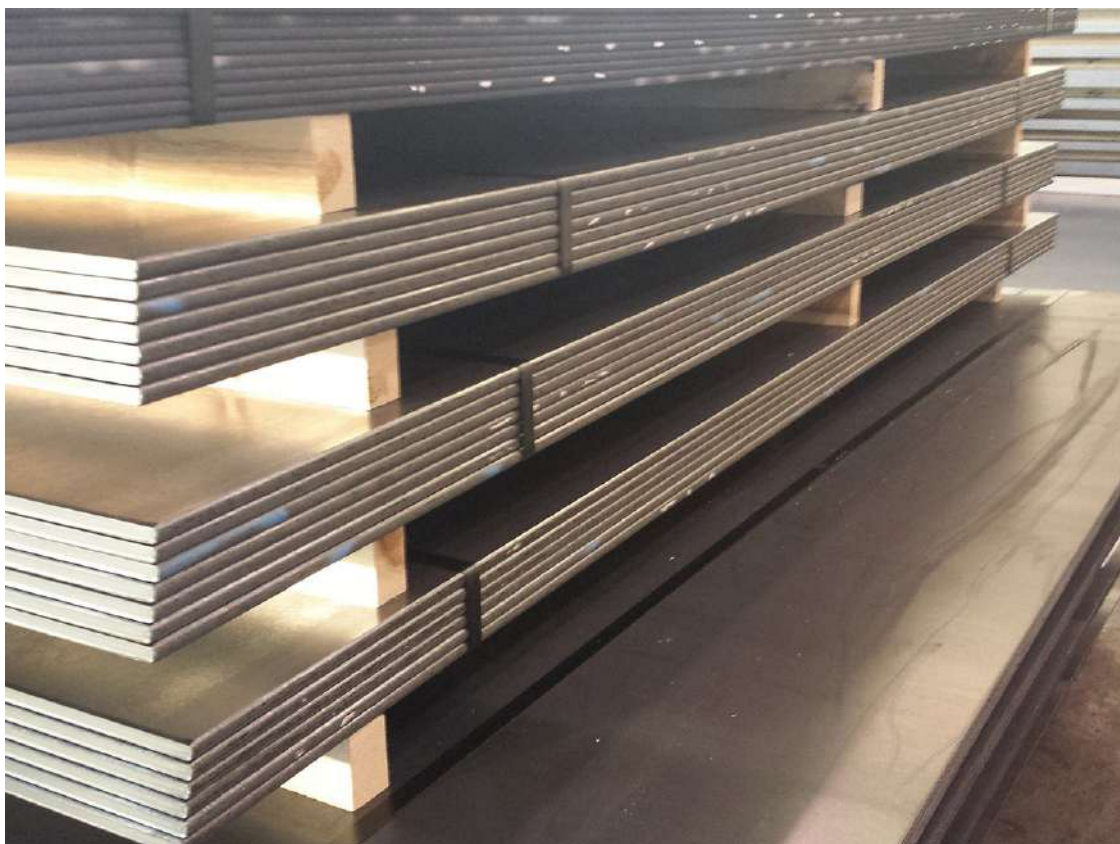


STEEL SHEETS

LOGIS company also provides a wide range of structural, boiler and marine plates.

In our permanent offer, we have:

- construction sheets S235JR +AR (N), S355J2+N
- boiler sheets P355GH, P355NH, P295GH, 16Mo3, 13CrMo4-5;
- Sheets with copper admixture S235JRG2Cu, S355J2Cu+N
- marine plates DNV, GL, LRS, BV according to EN or ASTM: A;D;E; SA516gr70
- construction sheets resistant to atmospheric corrosion S235J0W, S355JJ2W+N
- fine grain steel sheets with increased strength S690QL, S890QL, S890QL, S960QL
- tempered steel sheets C45, C45, C45
- wear-resistant steel sheets (Hardox, Durostat, Nicrodur, Raex)



FORGINGS

Freely forged forgings

We offer freely forged products weighing from 0.5 to 70000 kg and matrix forgings weighing from 0.2 to 50 kg.

We offer forgings made of materials according to PN/EN/DIN/ASTM standards made of steel:

- unalloyed
- unalloyed construction
- unalloyed for quenching and surface hardening
- low alloy
- alloy
- alloy construction for carburizing, tempering and surface hardening
- tool steel for cold and hot work
- corrosion-resistant
- heat-resistant

The forgings are delivered in the state:

- raw
- heat treated
- mechanically processed
- (preliminary or finished according to customer's assumptions and technical documentation)

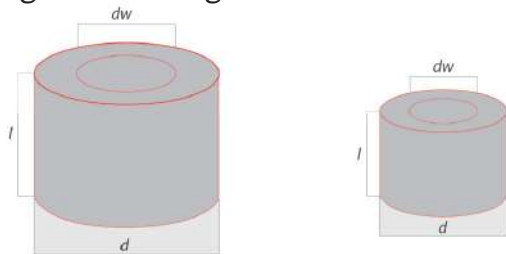
Forgings can be tested:

- mechanical
- defectoscopic
- metallographic

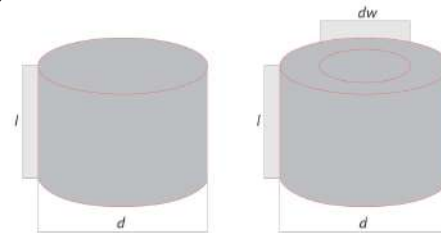


FORGINGS

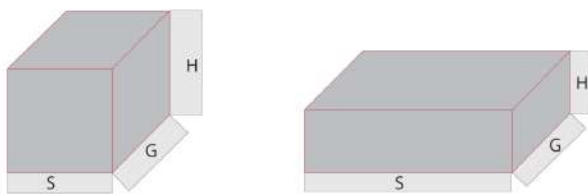
Break rings and bushings



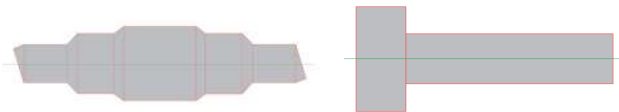
Forged discs full and with a hole



Cubes and plates



Shape forgings freely forged
multi-stage and flanged shafts



CASTINGS

Odlewy

We offer cast iron, cast steel and a wide range of castings of non-ferrous metals (bronze, brass, copper alloys, aluminum, etc.).

Applied casting technologies:

I. sand casting

1. Cast iron with a weight from 1,5 to 25 000 kg:
 - grey cast iron
 - alloy (abrasion resistant, heat resistant)
 - spheroidal (GGG40-GGG70) and GGG-40.3
2. Steel with a mass between 1,5 and 15 000 kg
 - carbon structural cast steel
 - wear-resistant cast steel (including high-manganese and high chrome)
 - heat-resistant and heat-resistant cast steel and heat-resistant cast steel
 - corrosion-resistant cast steel

II. Centrifugal castings

Materials used: bronzes, lead and aluminium bronzes, brass, aluminium and aluminium alloys with external diameters ranging from 80 to 200 mm.

Castings are certified according to EN 10204-3.1
*All presented castings and forgings are processed in our production plant **LOGIS - REGENERATION** in Częstochowa, where, according to drawings and designs, parts, elements of the line as well as entire equipment are produced.*



GRUPA LOGIS

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REGENERACJA

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KODER

