

FUNDIBRONZE

TECNOLOGIA IN COPPER ALLOYS

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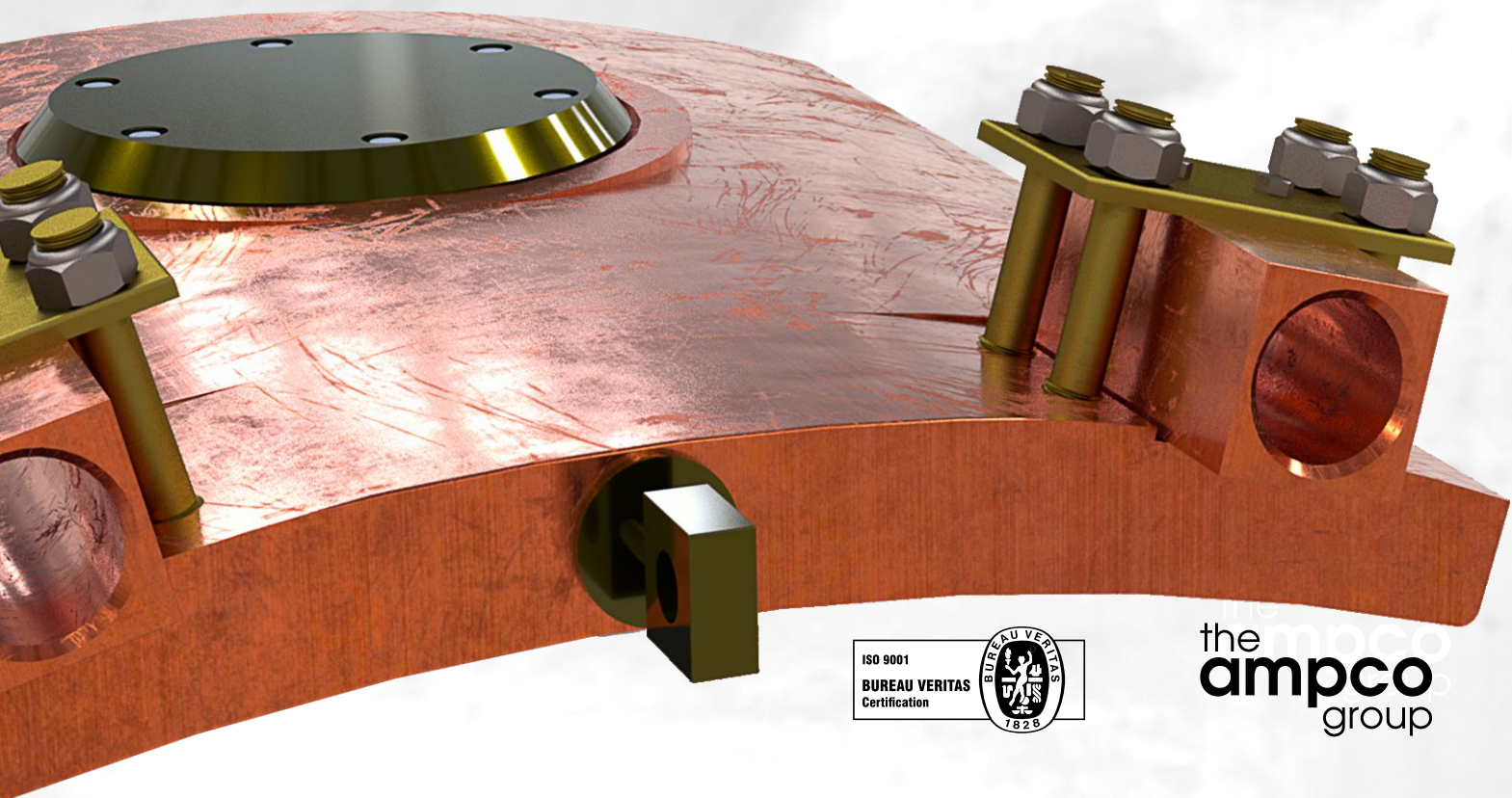
TECNOLOGY IN COPPER ALLOYS

FUNDIBRONZE is a non-ferrous foundry, located in Brazil it's a subsidiary of the AMPCO METAL group, a Swiss multinational company that works with Special Copper Alloys and is pioneer in the manufacture and distribution of Aluminum Bronze in the world. FundiBRONZE, supplies to the most varied segments, whether in the national or international market.

FundiBRONZE produces parts in copper alloys, mainly in Bronze-Aluminum. It has professional practice in sand casting, centrifugation and semi-continuous casting processes, strictly follows the International Standards ASTM / UNS / EN / DIN and holds the ISO 9001 : 2015 Certification, with scope: production of castings in copper alloys.

It produces Special Copper Alloys for production of parts for various sectors such as Naval, Automotive, Steel, Oil and Gas, Mining, Sugar and Ethanol, Pulp and Paper, etc. Among the products supplied are raw or finished parts according to the customer's design and project, in addition to plates, bars, rings, bushings, bushings and profiles weighing up to 3 tons.

Everything that is produced, it is guaranteed: Maximum thermal and electrical conductivity; Low friction coefficient; Full adherence to technical norms and standards.



FUNDIBRONZE

TECNOLOGY IN COPPER ALLOYS

PRODUCTIVE CAPACITY

FUNDIBRONZE foundry occupies an area of 4,400m² where there is:

- 2 Induction furnaces with capacity of up to 01 ton of liquid metal;
- 2 gas holding furnaces with capacity of up to 1.5 tons of liquid metal;
- Horizontal centrifugal for manufacturing rings and bushings with external diameters of up to 800 mm and 01 meter in length, weighing up to 1.5 tons;
- Vertical centrifugal for manufacturing rings with external diameter of up to 2.5 meters and weight of up to 2 tons;
- Semi-continuous for manufacturing plates and bars with thickness up to 200 mm, width up to 500 mm and length up to 1,500 mm;
- Rulers and bars cast in sand, with dimensions of up to 3,000 mm in length or diameter and weighing up to 3 tons;
- Heat treatment furnace for 1.5 meter pieces.
- Analysis laboratory equipped with spectrometer, mechanical testing machine and durometer.

FundiBRONZE's technical staff has highly qualified professionals who develops solutions since the offer until the execution with focus on total customer satisfaction. It searches continuous improvement in operational processes to deliver parts with extreme quality, efficiency and economy, providing value and contributing to the success of costumers.

In agreement with good environmental practices, FundiBRONZE adhered to the directive on the restriction of the use of some harmful and dangerous substances (RoHS), an act used by the European Union since 2003. The Regulation provides for the non-use of some substances that are highly harmful to health and to the environment due to its high rate of contamination, considering the useful life and disposal of these industrial wastes; among them Lead



STEEL WORKS BLAST FURNACE



TUYERE

Made of Cast Copper
of high conductivity above 65% IACS

TUYERE COLLERS

Made of Cast Copper
of high conductivity above 77% IACS



COOLING PLATES

Made of Cast Copper of high
conductivity above 55% IACS



STAVE COOLER

Made of Cast Copper of high
conductivity above 77% IACS

STEEL WORKS ELETRIC ARC FURNACE (EAF)



CONTACT PLATES

Used in iron alloy furnaces, they are provided with cooling channels. They are made of copper-zinc (85% -15%) or in high conductivity pure copper



PRESSURE RINGS

Made of BzAl (90%-10%)
or Tomback (85/15)

STEEL WORKS

ELECTRIC ARC FURNACE (EAF)



CONTACT PLATES

Used in iron alloy furnaces, they are provided with cooling channels. They are made of copper-zinc (85% - 15%) or in high conductivity pure copper

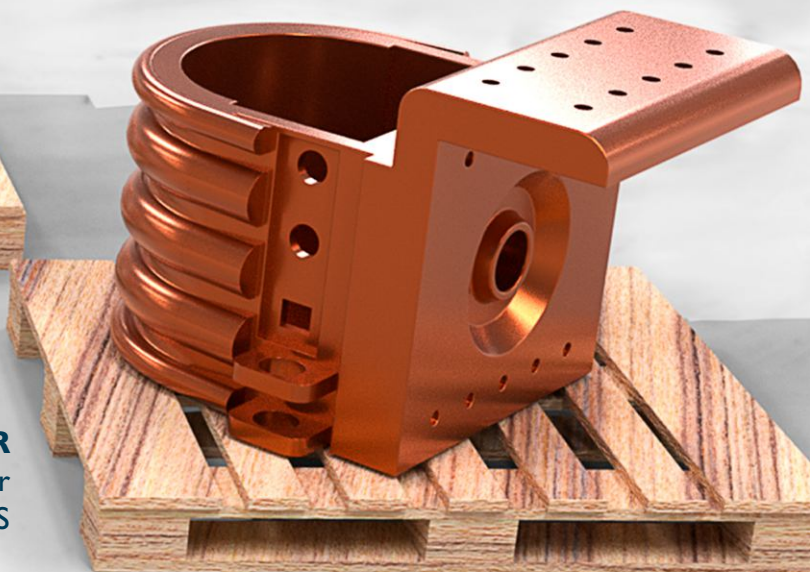
OXYGEN LANCE

Made of High Cast Copper
conductivity above 85% IACS



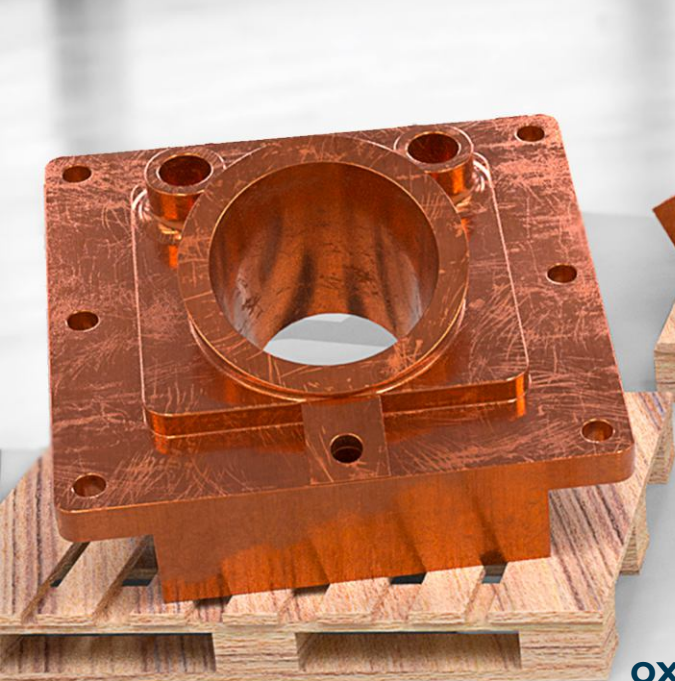
ELECTRODE HOLDER

Made of High Cast Copper
conductivity above 77% IACS



STEEL WORKS

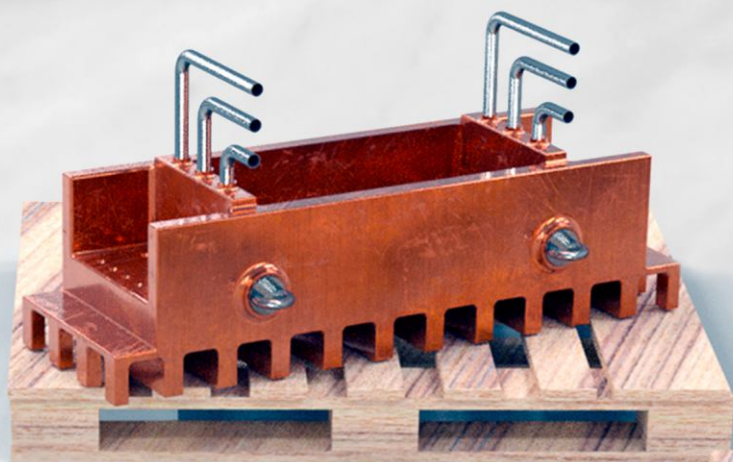
OUTOKUMPU'S FLASH FURNACE



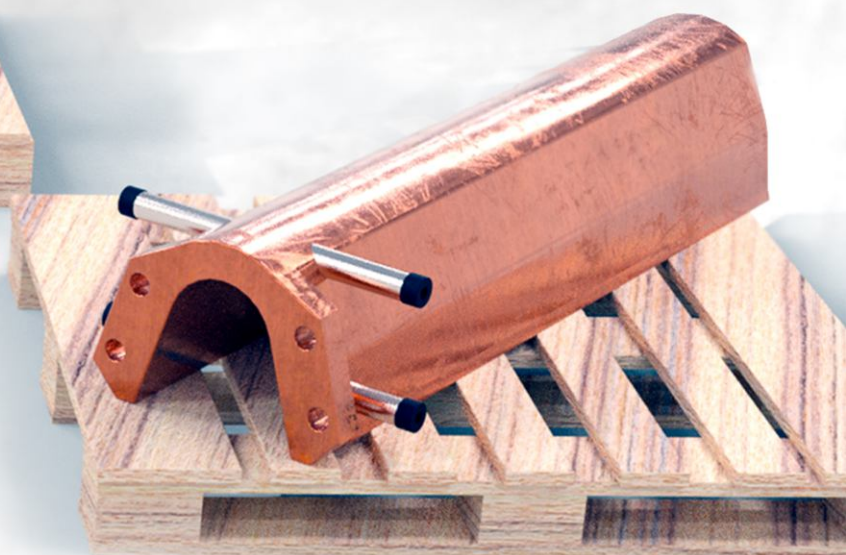
OXYGEN LANCE HOLDER
Made of High Cast Copper
conductivity above 77% IACS



COATING
Made of High Cast Copper
conductivity above 77% IACS

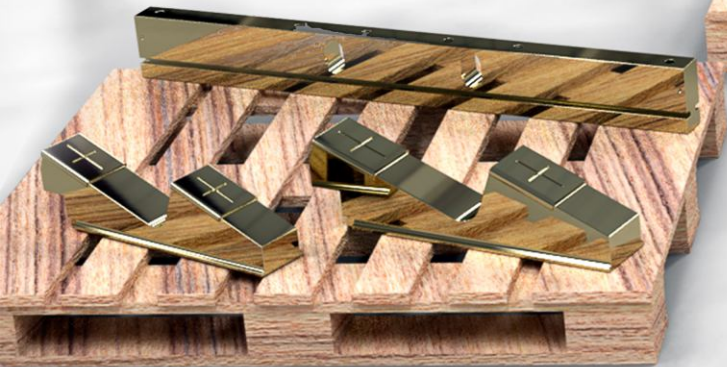


ELEMENT
Made of High Cast Copper
conductivity above 77% IACS



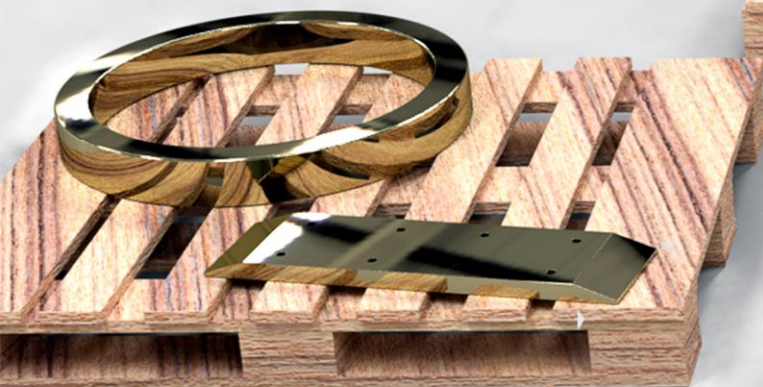
TRANSFER CHANNEL
Made of High Cast Copper
conductivity above 77% IACS

STEEL WORKS LAMINATION



GUIDES AND WEARING PLATES

Made of Aluminum Bronze
and Special Brass.

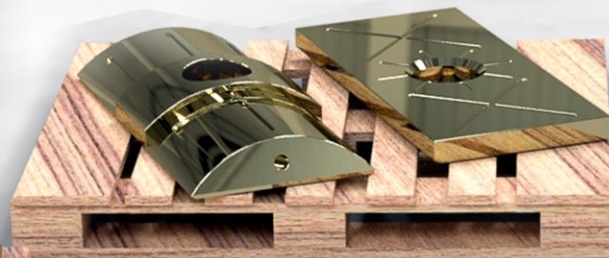


LAMINATOR PLATES AND RINGS

Made of Aluminum Bronze
and Special Brass.

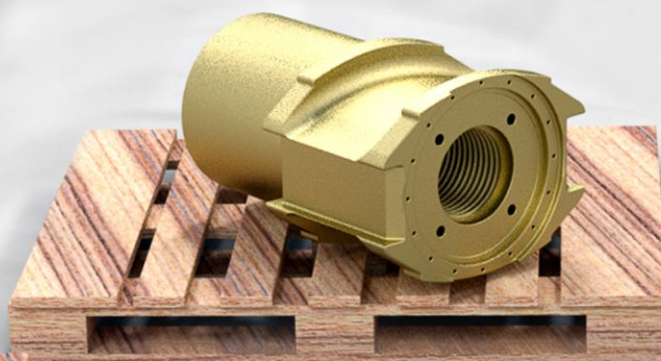
LAMINATION CYLINDERS

Used to production of coils of
thin sheets in special steels.
Made of Aluminum Bronze
high hardness (C95900)



SLIPPER PADS

Made of Aluminum Bronze
and Special Brass.

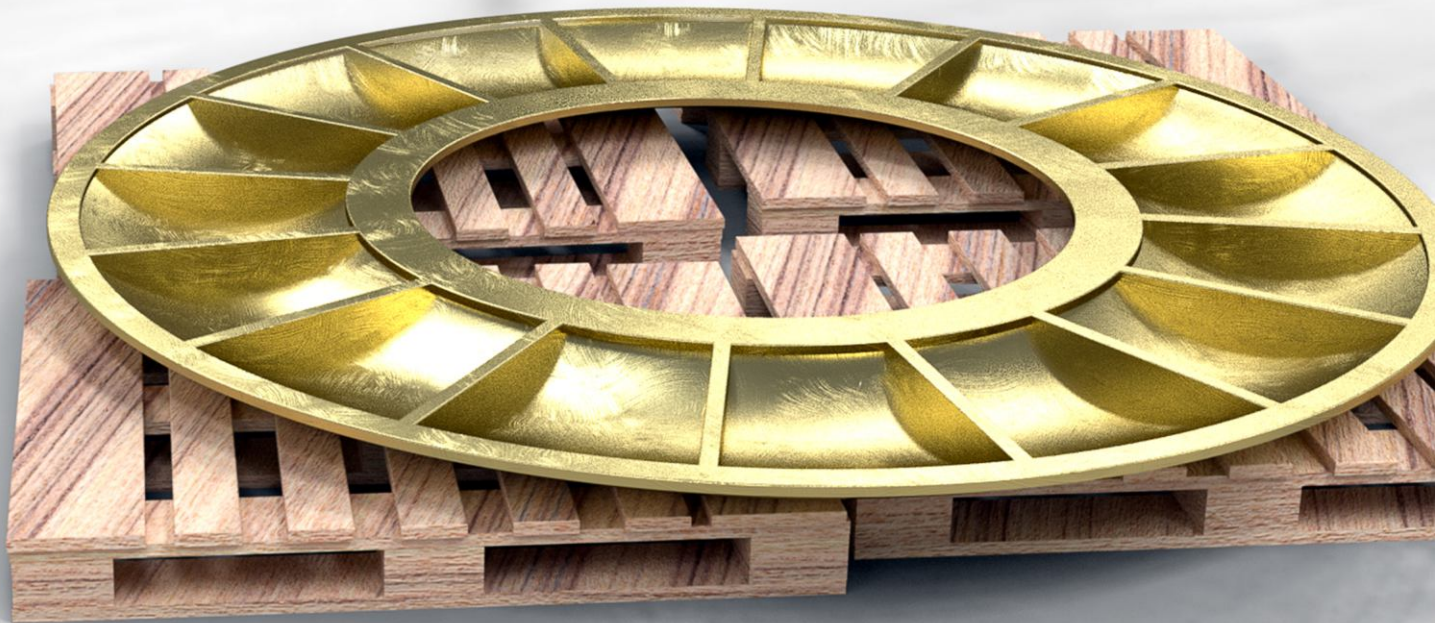


LAMINATOR NUTS

Made of Aluminum Bronze
and Special Brass.

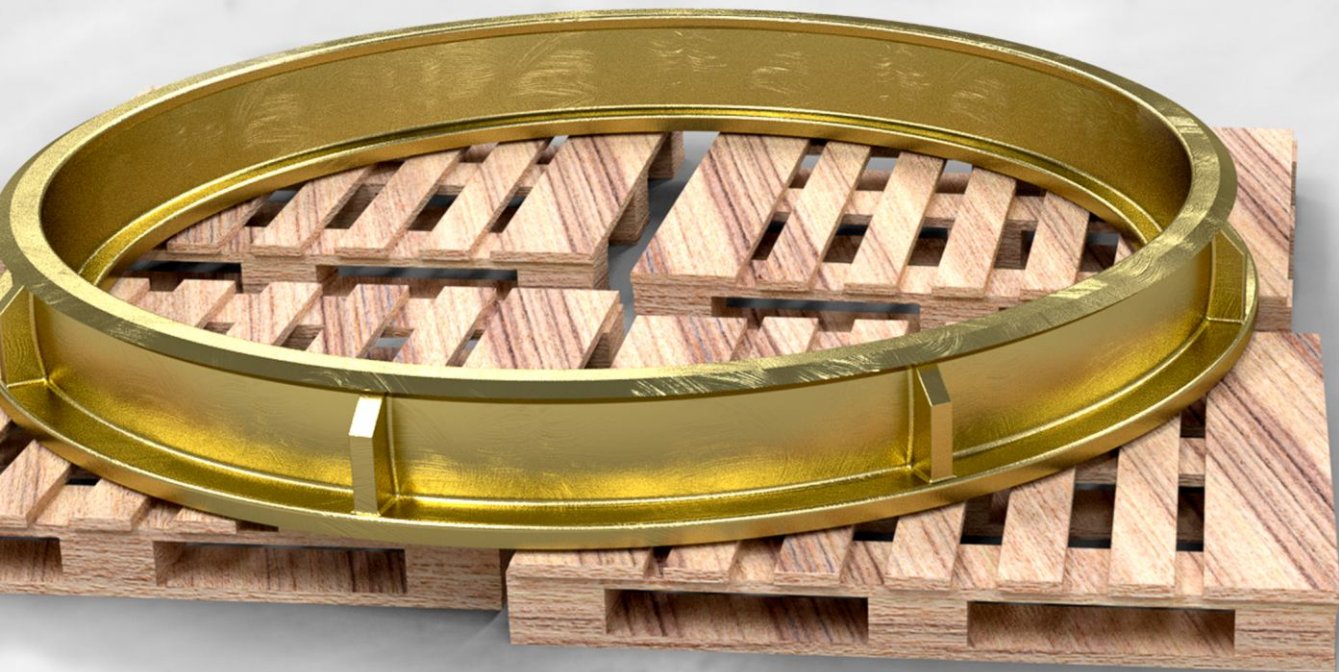


NUCLEAR POWER PLANT AND HYDROELECTRIC



AXLE ASSEMBLY FIXING COVER

Made of Aluminum Bronze
(C95800 or C95820)



COVER FIXATION RING

Made of Aluminum Bronze
(C95800 or C95820)

LIQUIDS AND GASES



TURBINES AND DIFFUSERS FOR HYDRAULIC PUMPS

Made of Aluminum Bronze
(C95800 or C95820)



ENGINE SUPPORT, BODY AND SPHERE FOR VALVES

Made of Aluminum Bronze
(C95800 or C95820)

BODY AND DISC OF BUTTERFLY VALVES AND SPHERE VALVES

Made of Aluminum Bronze
(C95800 or C95820)



SHIPBUILDING INDUSTRY

MIXER PROPELLER

Made of Aluminum Bronze
(C95800 or C95820)



FRANCIS ROTOR

Manufactured in BzAl
(C95800 and C95820)



PELTON TURBINE

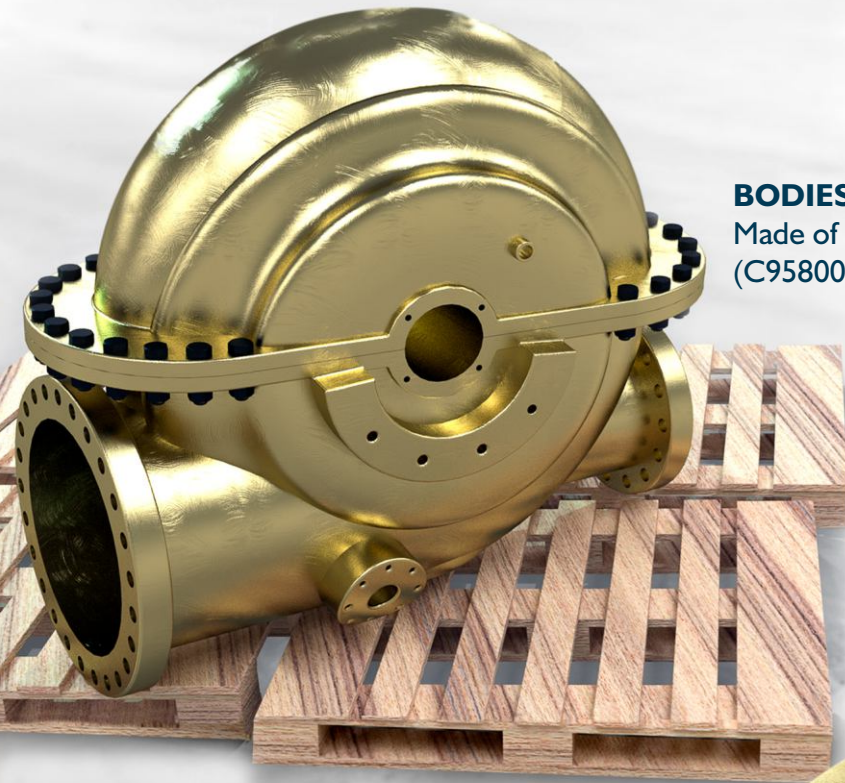
Made of Aluminum Bronze
(C95800 or C95820)

IMPELLERS AND ROTORS

Made of Aluminum Bronze
(C95800 or C95820)



SHIPBUILDING INDUSTRY



BODIES

Made of Aluminum Bronze
(C95800 or C95820)

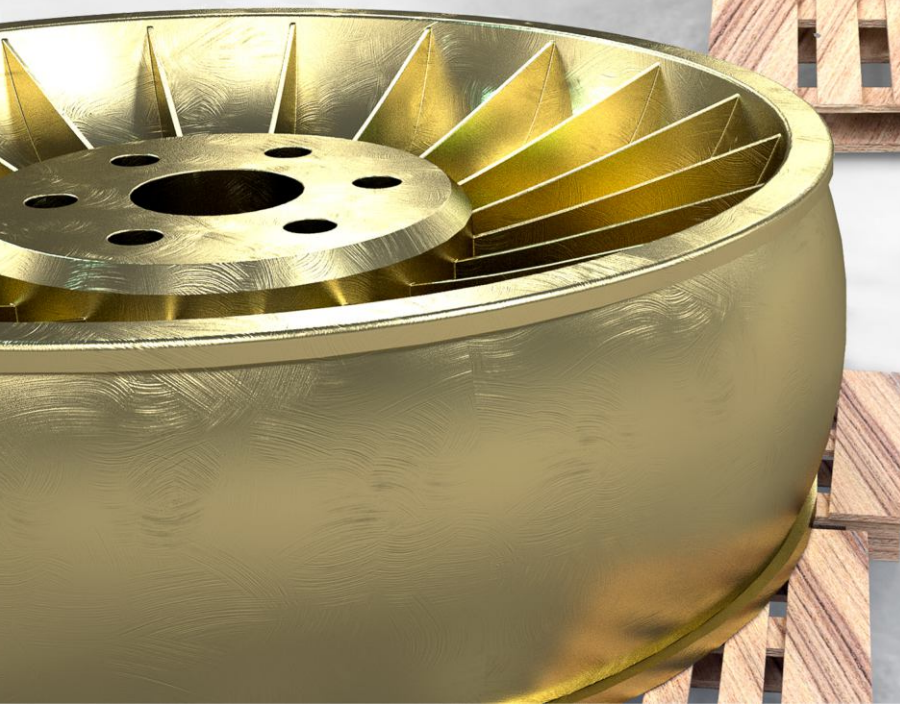


IMPELLER

Made of Aluminum Bronze
(C95800 or C95820)

ROTOR

Made of Aluminum Bronze
(C95800 or C95820)



FUNDIBRONZE

the
ampco
group

RAILWAY / WIND ENERGY PULP AND PAPER

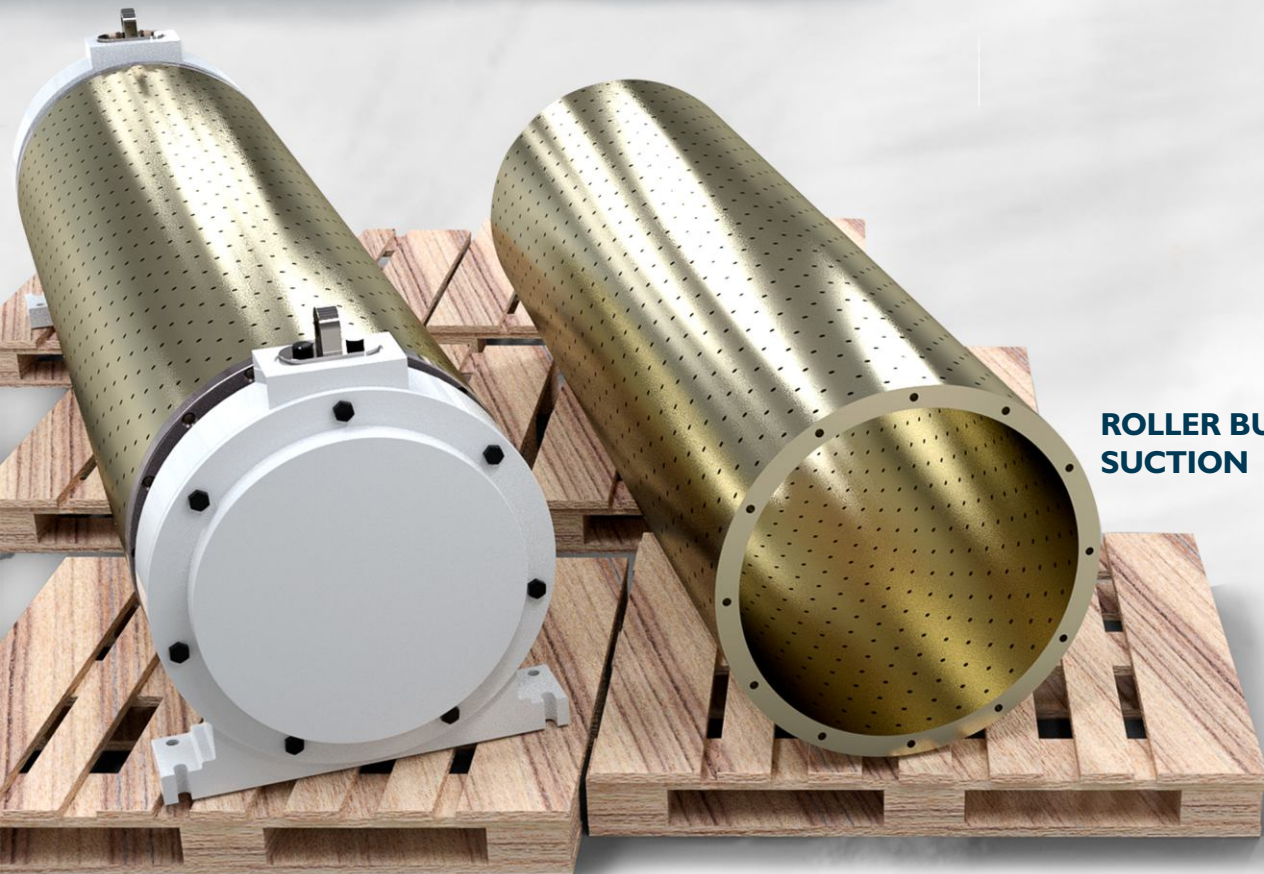
SWITCHES



COLLECTOR RINGS



**ROLLER BUSHING
SUCTION**



DRAWING STEEL



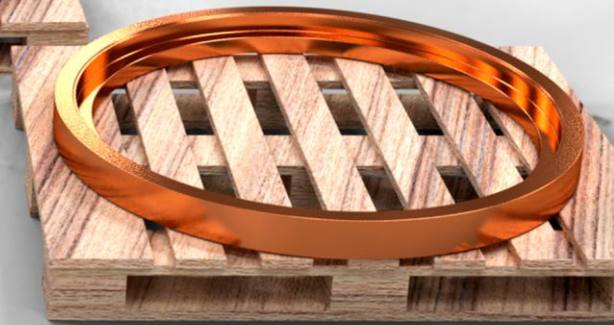
DEFORMATION PULLEYS

Anti-wrinkle, ideal for stainless steel tubes.
Manufactured in Bronze Aluminum
of high hardness above 250HB



WHEELS

For Properzi Rebar production.
Made of pure copper with
Minimum electrical conductivity of 77% IACS



RINGS, BUSHINGS AND FLANGES

For the most diverse applications
Made in Bronze or Copper



FUNDIBRONZE

TECNOLOGY IN COPPER ALLOYS

Horto St., 511 • Industrial District

ZIP CODE: 35681-779 • Itaúna - MG

PHONE: +55 037 3242-9170

vendas@fundibronze.com.br

www.fundibronze.com.br



the
ampco
group