Sevojno

VALJAONICA BAKRA
COPPER MILL

BAKARNE CEVI

75 YEARS
SOLID AS COPPER

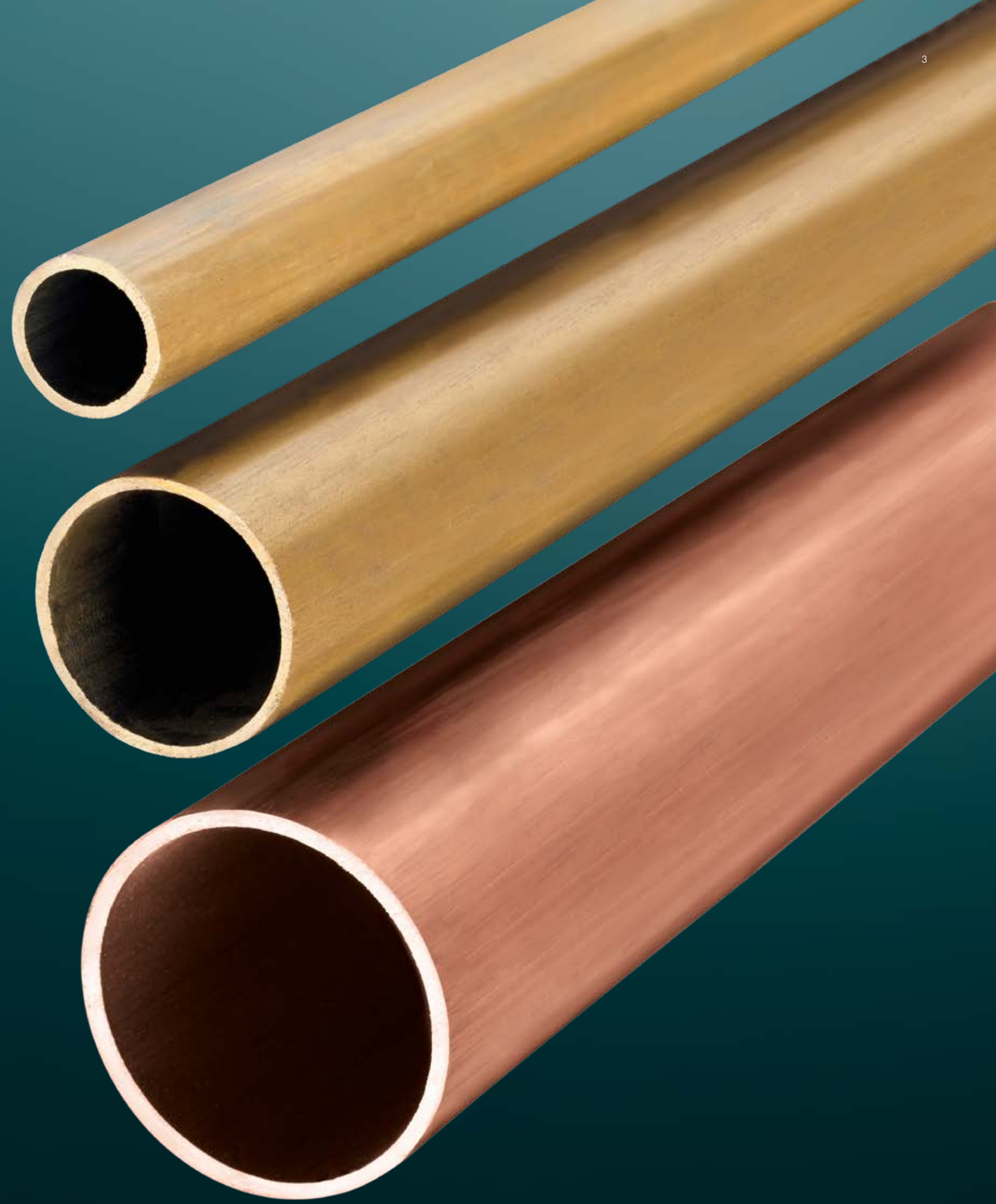
CEVI
TUBES AND PIPES

**VALJAONICA BAKRA SEVOJNO IZRAĐUJE CEVI OD BAKRA I LEGURA BAKRA.
ZAHVALJUJUĆI VELIKOM IZBORU BAKRA I LEGURA, KAO I ŠIROKOM PROIZVODNOM ASORTIMANU*
NAŠE CEVI SU POGODNE ZA RAZNE INDUSTRIJSKE NAMENE, A ISTO TAKO I ZA PRIMENU U GRAĐEVINARSTVU ZA INSTALACIJE, KAO I ZA ENTERIJER I EKSTERIJER.**

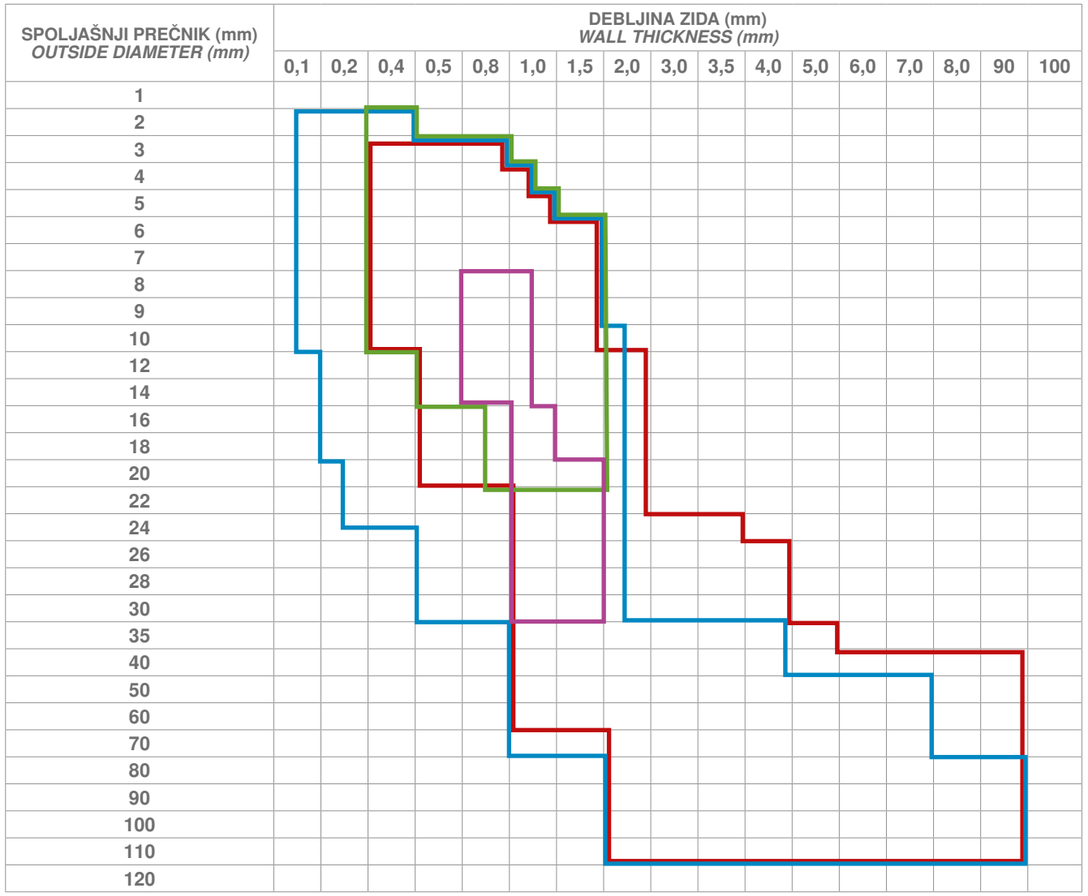
CEVI PROIZVODIMO PREMA STANDARDIMA EN, DIN, GOST, BS KAO I PREMA DRUGIM SVETSKIM STANDARDIMA, ALI I PREMA SPECIJALNIM ZAHTEVIMA KUPACA. SPECIJALNI ZAHTEVI SE MOGU ODNOSITI NA UŽE TOLERANCIJE, ZADOVOLJENJE SPECIJALNIH TEHNOLOŠKIH OSOBINA, UŽE PODRUČJE MEHANIČKIH OSOBINA, POSEBNE ZAHTEVE ZA KVALITET POVRŠINE I OSTALE OSOBINE KOJE TREBA DA ZADOVOLJE ODGOVARAJUĆU NAMENU.

COPPER MILL SEVOJNO MANUFACTURES TUBES FROM COPPER AND COPPER ALLOYS. DUE TO A WIDE SELECTION OF COPPER AND COPPER ALLOYS, AS WELL AS A LARGE PRODUCT PORFOLIO*, OUR TUBES ARE SUITABLE FOR VARIOUS INDUSTRIAL PURPOSES AND FOR USE IN THE CONSTRUCTION INDUSTRY, IN INSTALLATIONS, AS WELL AS FOR USE IN EXTERIOR AND INTERIOR DESIGNS.

WE PRODUCE TUBES ACCORDING TO STANDARDS EN, DIN, GOST, BS, AS WELL AS OTHER INTERNATIONAL STANDARDS, BUT ALSO ACCORDING TO SPECIAL REQUIREMENTS OF OUR CUSTOMERS. SPECIAL REQUIREMENTS MAY INCLUDE REDUCED TOLERANCES, SPECIAL TECHNOLOGICAL REQUESTS, SMALLER RANGE OF MECHANICAL PROPERTIES, SPECIAL REQUESTS REGARDING SURFACE QUALITY AND OTHER PROPERTIES THAT SHOULD MEET THE INTENDED PURPOSE.



*PROIZVODNI ASORTIMAN CEVI
**PRODUCT PORTFOLIO OF TUBES*



Bakarnih cevi u pravim dužinama
Straight lengths copper tubes

Mesingane cevi u pravim dužinama
Straight lengths brass tubes

Bakarne cevi u koturu
Copper tubes in coil

Kondenzatorske cevi
Condenser tubes

2.1

Bakarne cevi

Bakarne cevi su zbog izuzetne izdržljivosti, lakoće oblikovanja, odlične toplotne i električne provodljivosti pogodne za najrazličitije namene u industriji, građevinarstvu, kao i za opšte namene. Izrada uređaja i instalacija za klimatizaciju i hlađenje, grejnih, vodovodnih i sanitarnih instalacija, kao i instalacija za medicinske gasove, izrada kondenzatora, izrada elemenata za elektrotehniku, samo su neke od mnogobrojnih primena.

Copper tubes and pipes

Due to their exceptional durability, ease of formability, excellent thermal and electrical conductivity properties, copper tubes and pipes are suitable for a wide variety of uses in industry, civil engineering, and for general purposes. Production of devices and installations for air conditioning and refrigeration, heating, plumbing and sanitary installations, as well as installations for medical gases, production of condensers, compounds for electrical engineering, are just some of their many applications.

ASORTIMAN BAKARNIH CEVI
PRODUCT PORTFOLIO OF COPPER TUBES AND PIPES

2.1.1

Bakarne instalacione cevi

Instalacije od bakarnih cevi su efikasne i ekonomične, zadržavaju svoje osobine dug vremenski period pa samim tim imaju i produženo vreme servisa.

Installation copper tubes and pipes

Installations made of copper tubes and pipes are efficient and cost-effective, they retain their properties for a long period of time and therefore have an extended service life.

OZNAČAVANJE BAKRA I STANDARDI PREMA KOJIMA SE PROIZVODE BAKARNE INSTALACIONE CEVI
COPPER DESIGNATIONS AND STANDARDS ACCORDING TO WHICH THE COPPER INSTALLATION TUBES AND PIPES ARE PRODUCED

EN OZNAKA / EN DESIGNATION		EN KOJI DEFINIŠU PROIZVODE *EN STANDARDS SPECIFYING THE PRODUCTS*	OZNAKE PREMA DRUGIM STANDARDIMA *DESIGNATIONS ACCORDING TO OTHER STANDARDS*		
SLOVIMA / *SYMBOL* BROJEVIMA / *NUMBERS*			DIN		ASTM
			SLOVIMA *SYMBOL*	BROJEVIMA *NUMBERS*	
Cu-DHP	CW024A	EN 1057 EN 12735-1 EN 13348	SF-Cu	2.0090	C 122 00

Dimenzije koje nisu prikazane u tabeli razmatramo po posebnom upitu.
Dimensions not shown in the table shall be considered upon special requests.

ASORTIMAN BAKARNIH INSTALACIONIH CEVI
PRODUCT PORTFOLIO OF INSTALLATION COPPER TUBES AND PIPES

2.1.1.1

Cevi za grejanje i sanitarije

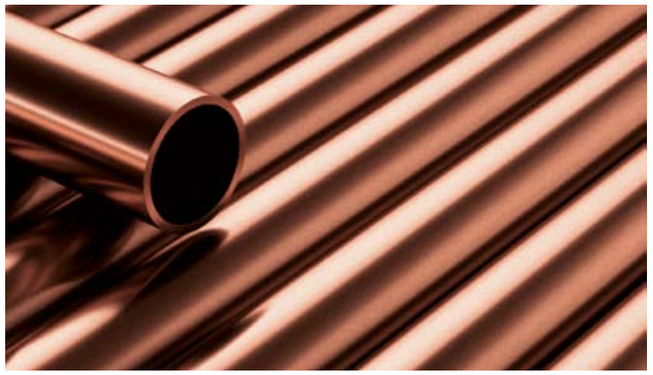
Cevi za grejanje i sanitarije proizvodimo u svemu prema standardu EN 1057. Bakarne cevi proizvedene prema ovom standardu namenjene su za izradu razvodne mreže za hladnu i toplu vodu, za sisteme grejanja toplom vodom uključujući i panele za zidno i podno grejanje. Takođe su pogodne za distributivne mreže za tečna goriva i gas za domaćinstvo, kao i za sisteme otpadnih voda (slivnici i slično).
Cevi proizvodimo prema standardima EN, DIN, GOST, BS kao i prema drugim svetskim standardima, ali i prema specijalnim zahtevima kupaca.

Specijalni zahtevi se mogu odnositi na uže tolerancije, zadovoljenje specijalnih tehnoloških osobina, uže područje mehaničkih osobina, posebne zahteve za kvalitet površine i ostale osobine koje treba da zadovolje odgovarajuću namenu.

Tubes for heating and sanitary applications

We produce tubes for heating and sanitary applications fully in line with standard EN 1057. Copper tubes produced according to this standard are intended for the production of hot and cold water distribution networks, for hot water heating systems, including panels for wall and floor heating systems. They are also suitable for distribution networks for liquid fuels and household gas, as well as for waste water systems (sinks and the like).
We produce tubes according to EN, DIN, GOST, BS and other international standards, but also according to special requirements of our customers.

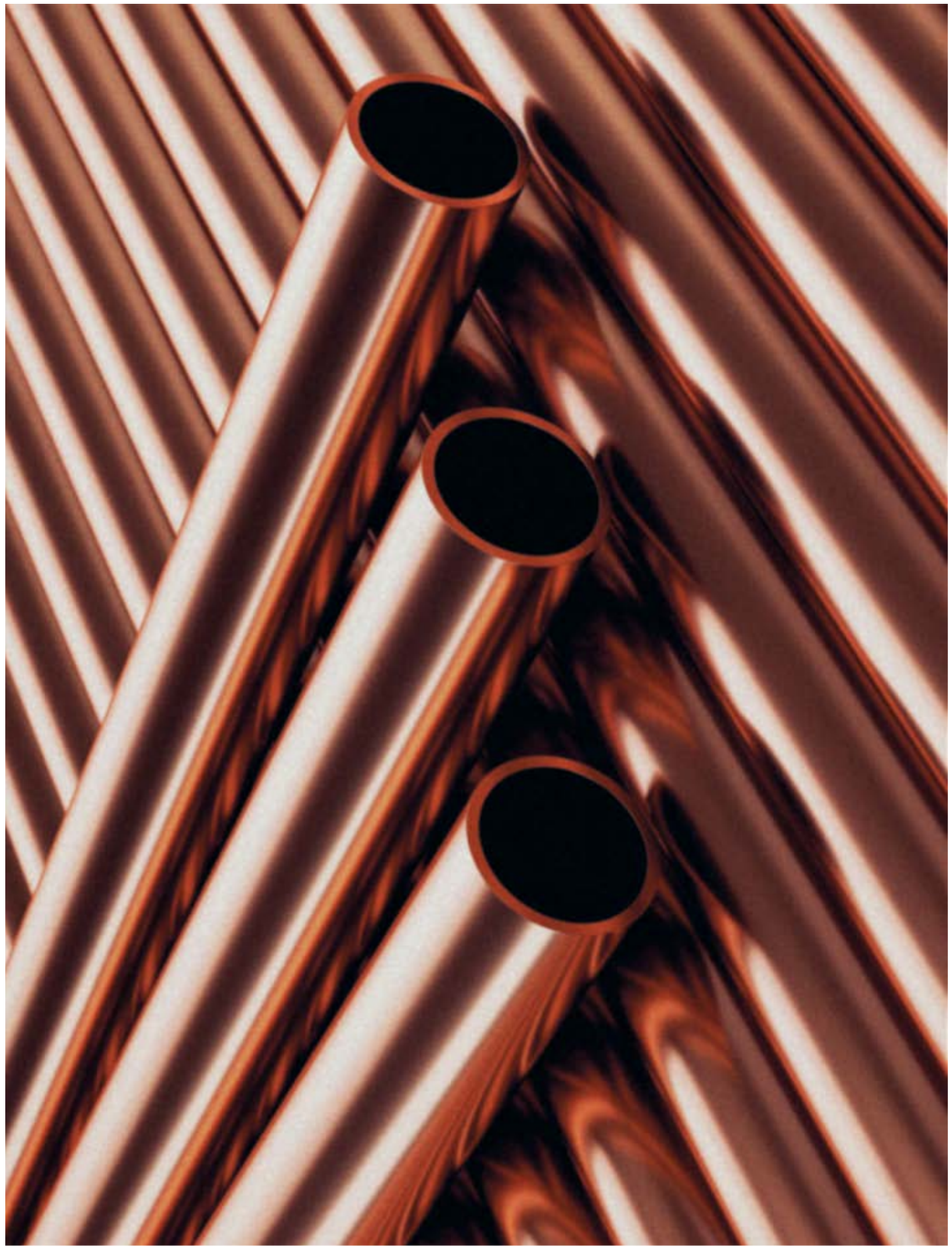
Special requirements may refer to reduced tolerances, special technological requests in terms of properties, smaller range of mechanical properties, special requests regarding surface quality and other properties that should meet the intended purpose.



ASORTIMAN CEVI ZA GREJANJE I SANITARIJE PREMA EN 1057
PRODUCT PORTFOLIO OF TUBES FOR HEATING AND SANITARY APPLICATIONS ACCORDING TO EN 1057

VRSTA BAKRA *TYPE OF COPPER*	DIMENZIJE, mm / *DIMENSIONS, mm*		OBLIK ISPORUKE *FORM OF DELIVERY*
	SPOLJAŠNJI PREČNIK *OUTSIDE DIAMETER*	DEBLJINA ZIDA *WALL THICKNESS*	
Cu-DHP	6.0 - 22.0	0.5 - 2.0	kotur, spirala (u mekom kvalitetu) *coil, spiral (soft temper)*
	6.0 - 120.0	0.5 - 3.0*	fabričke dužine (2-6 m) i fiksne (1-6 m) dužine *Standard lengths (2-6 m) and ordered lengths (1-6 m)*

* u zavisnosti od spoljašnjeg prečnika
** Depending on the outside diameter*



ASORTIMAN BAKARNIH CEVI
PRODUCT PORTFOLIO OF COPPER TUBES

2.1.1.2

Cevi za klimatizaciju i hlađenje

Cevi za klimatizaciju i hlađenje proizvodimo u svemu prema standardu EN 12735-1. Bakarne cevi proizvedene prema ovom standardu namenjene su za izradu cevovoda za klimatizaciju vazduha, kao i cevovoda za hlađenje prostora u kojima se zahtevaju niske temperature.

Cevi proizvodimo prema standardima EN, DIN, GOST, BS i drugim svetskim standardima, ali i prema specijalnim zahtevima kupca.

Specijalni zahtevi se mogu odnositi na uže tolerancije, zadovoljenje specijalnih tehnoloških osobina, uže područje mehaničkih osobina, posebne zahteve za kvalitet površine i ostale osobine koje treba da zadovolje odgovarajuću namenu.

Tubes for air conditioning and refrigeration

We produce tubes for air conditioning and refrigeration fully in line with standard EN 12735-1. Copper tubes produced in line with this standard are used in the air-conditioning piping systems, as well as in the refrigeration piping systems in which low temperatures are required.

We make copper tubes according to EN, DIN, GOST, BS and other international standards, but also according to special requirements of our customers.

Special requirements may refer to reduced tolerances, special technological requests in terms of properties, smaller range of mechanical properties, special requests regarding surface quality and other properties that should meet the intended purpose.

ASORTIMAN CEVI ZA KLIMATIZACIJU I HLAĐENJE PREMA EN 12735-1
PRODUCT PORTFOLIO OF TUBES FOR AIR CONDITIONING AND REFRIGERATION ACCORDING TO EN 12735-1

VRSTA BAKRA *TYPE OF COPPER*	DIMENZIJE, mm / *DIMENSIONS, mm*		OBLIK ISPORUKE *FORM OF DELIVERY*
	SPOLJAŠNJI PREČNIK *OUTSIDE DIAMETER*	DEBLJINA ZIDA *WALL THICKNESS*	
Cu-DHP	6.0 - 22.0	0.5 - 2.0	kotur, spirala (u mekom kvalitetu) *coil, spiral (soft temper)*
	6.0 - 120.0	0.5 - 2.5*	fabričke dužine (2-6 m) i fiksne (1-6 m) dužine *Standard lengths (2-6 m) and ordered lengths (1-6 m)*

* u zavisnosti od spoljašnjeg prečnika
** Depending on the outside diameter*

Dimenzije koje nisu prikazane u tabeli razmatramo po posebnom upitu.
Dimensions not shown in the table shall be considered upon special requests.

2.1.1.3

Cevi za medicinske gasove i vakuum

Cevi za medicinske gasove i vakuum proizvodimo prema standardu EN 13348. Bakarne cevi proizvedene prema ovom standardu namenjene su za izradu cevovoda za distribuciju gasova u medicinskim ustanovama i laboratorijama koji se koriste pri radnom pritisku do 2000 kPa i za sisteme pod vakuumom.

Cevi proizvodimo prema standardima EN, DIN, GOST, BS kao i prema drugim svetskim standardima, ali i prema specijalnim zahtevima kupaca.

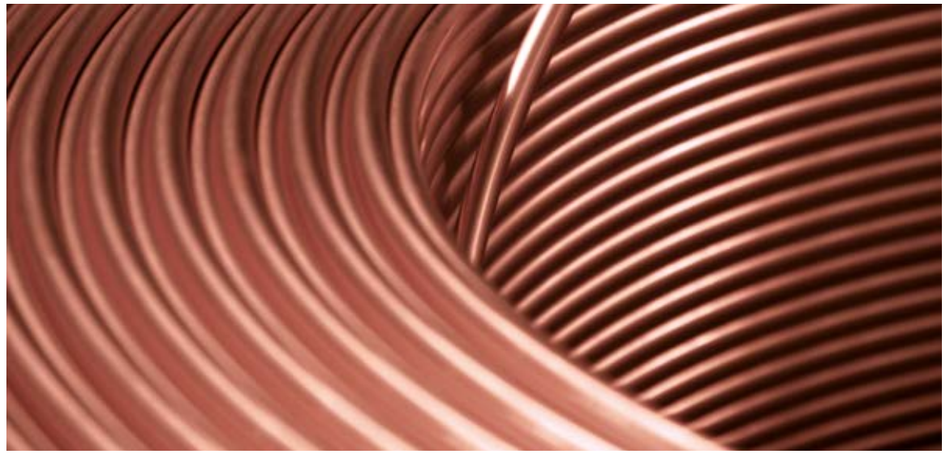
Specijalni zahtevi se mogu odnositi na uže tolerancije, zadovoljenje specijalnih tehnoloških osobina, uže područje mehaničkih osobina, posebne zahteve za kvalitet površine i ostale osobine koje treba da zadovolje odgovarajuću namenu.

Tubes for medical gases and vacuum

We produce tubes for medical gases and vacuum according to standard EN 13348. Copper tubes produced according to this standard are used for distributing the gases in medical facilities and laboratories intended to be used at operating pressures up to 2 000 kPa, as well as for the pipeline systems under vacuum.

We produce tubes according to EN, DIN, GOST, BS and other international standards, but also according to special requirements of our customers.

Special requirements may refer to reduced tolerances, special technological requests in terms of properties, smaller range of mechanical properties, special requests regarding surface quality and other properties that should meet the intended purpose.



ASORTIMAN CEVI ZA MEDICINSKE GASOVE I VAKUUM PREMA EN 13348
PORTFOLIO OF TUBES FOR MEDICAL GASES AND VACUUM ACCORDING TO EN 13348

VRSTA BAKRA *TYPE OF COPPER*	DIMENZIJE, mm / *DIMENSIONS, mm*		OBLIK ISPORUKE *FORM OF DELIVERY*
	SPOLJAŠNJI PREČNIK *OUTSIDE DIAMETER*	DEBLJINA ZIDA *WALL THICKNESS*	
Cu-DHP	8.0 - 22.0	0.5 - 2.0	kotur, spirala (u mekom kvalitetu) *coil, spiral (soft temper)*
	6.0 - 120.0	0.5 - 3.0*	fabričke dužine (2-6 m) i fiksne (1-6 m) dužine *Standard lengths (2-6 m) and ordered lengths (1-6 m)*

* u zavisnosti od spoljašnjeg prečnika
** Depending on the outside diameter*

Dimenzije koje nisu prikazane u tabeli razmatramo po posebnom upitu.
Dimensions not shown in the table shall be considered upon special requests.

2.1.2

Bakarne industrijske cevi

Bakarne cevi zbog svojih izuzetnih osobina i odlične mogućnosti prerade nalaze primenu u elektrotehnici, u industriji izmenjivača toplote i u raznim drugim granama industrije za niz različitih upotreba.

Industrial copper tubes

Due to their exceptional properties and excellent fabrication properties, copper tubes are used in electrical engineering, in the heat exchanger industry and in various other branches of industry with a number of different uses.

ASORTIMAN BAKARNIH INDUSTRIJSKIH CEVI
PRODUCT PORTFOLIO OF INDUSTRIAL COPPER TUBES

2.1.2.1

Cevi za elektrotehniku

Cevi koje su namenjene za primenu u elektrotehnici izrađuju se prema standardu EN 13600.

Cevi proizvodimo prema standardima EN, DIN, GOST, BS kao i prema drugim svetskim standardima, ali i prema specijalnim zahtevima kupaca.

Specijalni zahtevi se mogu odnositi na uže tolerancije, zadovoljenje specijalnih tehnoloških osobina, uže područje mehaničkih osobina, posebne zahteve za kvalitet površine i ostale osobine koje treba da zadovolje odgovarajuću namenu.

Tubes for electrical purposes

The tubes intended for use in electrical engineering are manufactured according to standard EN 13600.

We produce tubes according to EN, DIN, GOST, BS and other international standards, but also according to special requirements of our customers.

Special requirements may refer to reduced tolerances, special technological requests in terms of properties, smaller range of mechanical properties, special requests regarding surface quality and other properties that should meet the intended purpose.

ASORTIMAN CEVI ZA ELEKTOTEHNIKU PREMA EN 13600
PRODUCT PORTFOLIO OF TUBES FOR ELECTRICAL PURPOSES ACCORDING TO EN 13600

VRSTA BAKRA *TYPE OF COPPER*	DIMENZIJE, mm / *DIMENSIONS, mm*		OBLIK ISPORUKE *FORM OF DELIVERY*
	SPOLJAŠNJI PREČNIK *OUTSIDE DIAMETER*	DEBLJINA ZIDA *WALL THICKNESS*	
Cu-ETP Cu-HCP	6.0 - 22.0	0.5 - 2.0	kotur, spirala (u mekom kvalitetu) *coil, spiral (soft temper)*
	6.0 - 120.0	0.5 - 10.0*	fabričke dužine (2-6 m) i fiksne (1-6 m) dužine *standard lengths (2-6 m) and ordered lengths (1-6 m)*

* u zavisnosti od spoljašnjeg prečnika
** depending on the outside diameter*

Dimenzije koje nisu prikazane u tabeli razmatramo po posebnom upitu.
Dimensions not shown in the table shall be considered upon special requests.

OZNAČAVANJE BAKRA I STANDARDI PREMA KOJIMA SE PROIZVODE CEVI ZA ELEKTROTEHNIKU
COPPER DESIGNATIONS AND STANDARDS ACCORDING TO WHICH THE TUBES FOR ELECTRICAL ENGINEERING ARE PRODUCED

EN OZNAKA *EN DESIGNATION*		EN KOJI DEFINIŠU PROIZVODE *EN STANDARDS SPECIFYING THE PRODUCTS*	OZNAKE PREMA DRUGIM STANDARDIMA *DESIGNATIONS ACCORDING TO OTHER STANDARDS*		ASTM
			DIN		
SLOVIMA *SYMBOL*	BROJEVIMA *NUMBERS*		SLOVIMA *SYMBOL*	BROJEVIMA *NUMBERS*	
Cu-HCP	CW021A	EN 13600	SE-Cu	2,0700	C 103 00
Cu-ETP	CW004A	EN 13600	E-Cu58	2,0065	C 110 00

2.1.2.2

Bakarne cevi za izmenjivače toplote

Cevi od bakra za izmenjivače toplote, kondenzatore, isparivače i opremu za desalinaciju proizvode se po standardu EN 12451.
Izmenjivače toplote izrađujemo i prema EN 12735-2. Bakarne cevi za klimatizaciju i hlađenje proizvedene prema ovom standardu namenjene su za izradu ocevljenih sklopova izmenjivača toplote koji se ugrađuju u uređaje za klimatizaciju i hlađenje.

Copper tubes for heat exchangers

Copper tubes for heat exchangers, condensers, evaporators and desalination equipment are manufactured according to standard EN 12451.
We also manufacture heat exchangers according to EN 12735-2. Copper tubes for air conditioning and refrigeration manufactured according to this standard are intended for the production of tubular heat exchanger assemblies that are installed in the air conditioning and refrigeration devices.

ASORTIMAN CEVI ZA IZMENJIVAČE TOPLOTE PREMA EN 12451
PORTFOLIO OF TUBES FOR HEAT EXCHANGERS ACCORDING TO EN 12451

VRSTA BAKRA *TYPE OF COPPER*	DIMENZIJE, mm / *DIMENSIONS, mm*		OBLIK ISPORUKE *FORM OF DELIVERY*
	SPOLJAŠNJI PREČNIK OUTSIDE DIAMETER	*DEBLJINA ZIDA WALL THICKNESS*	
Cu-DHP	6.0 - 22.0	0.5 - 2.0	kotur, spirala (u mekom kvalitetu) *coil, spiral (soft temper)*
	6.0 - 76.0	0.5 - 3.0*	fabričke dužine (2-6 m) i fiksne (1-6 m) dužine *Standard lengths (2-6 m) and ordered lengths (1-6 m)*

* u zavisnosti od spoljašnjeg prečnika
** Depending on the outside diameter*

Dimenzije koje nisu prikazane u tabeli razmatramo po posebnom upitu.
Dimensions not shown in the table shall be considered upon special requests.

ASORTIMAN CEVI PREMA EN 12735-2
PRODUCT PORTFOLIO OF TUBES ACCORDING TO EN 12735-2

VRSTA BAKRA *TYPE OF COPPER*	DIMENZIJE, mm / *SIZES, mm*		OBLIK ISPORUKE *FORM OF DELIVERY*
	SPOLJAŠNJI PREČNIK OUTSIDE DIAMETER	*DEBLJINA ZIDA WALL THICKNESS*	
Cu-DHP	6.0 - 22.0	0.5 - 2.0	kotur*, spirala (u mekom kvalitetu) *coil*, spiral (in soft temper)*
	6.0 - 76.0	0.5 - 3.0	fabričke dužine (2-6 m) i fiksne (1-6 m) dužine *standard lengths (2-6 m) and ordered lengths (1-6 m)*

* do spoljašnjeg prečnika 18 mm i debljine zida do 1.5 mm možemo isporučivati LWC kotur
** up to outside diameter of 18 mm and up to wall thickness of 1.5 mm, we can deliver LWC coil.*

Dimenzije koje nisu prikazane u tabeli razmatramo po posebnom upitu.
Dimensions not shown in the table shall be considered upon special requests.

2.1.2.3

Bakarne cevi za opštu industrijsku namenu

Cevi od bakra se mogu koristiti u industriji za veliki broj najrazličitijih primena. Bakarne cevi za opštu namenu u industriji izrađuju se prema standardu EN 12449.

Cevi proizvodimo prema standardima EN, DIN, GOST, BS kao i prema drugim svetskim standardima, ali i prema specijalnim zahtevima kupaca.

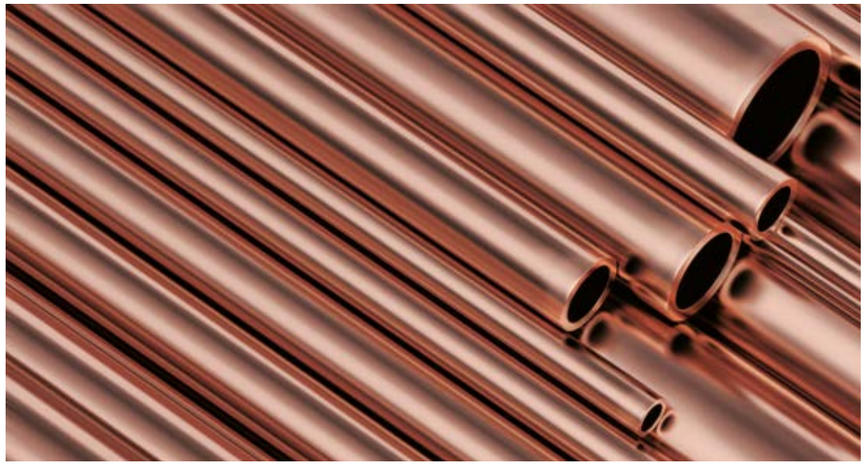
Specijalni zahtevi se mogu odnositi na uže tolerancije, zadovoljenje specijalnih tehnoloških osobina, uže područje mehaničkih osobina, posebne zahteve za kvalitet površine i ostale osobine koje treba da zadovolje odgovarajuću namenu.
Proizvodimo bakarne cevi pogodne za savijanje koje se mogu naručiti prema tehničkim uslovima fabrike.

Copper tubes for general industrial application

Copper tubes can be used in industry for a wide variety of applications. Copper tubes for general industrial application are produced according to standard EN 12449.

We produce tubes according to EN, DIN, GOST, BS and other international standards, but also according to special requirements of our customers.

Special requirements may refer to reduced tolerances, special technological requests in terms of properties, smaller range of mechanical properties, special requests regarding surface quality and other properties that should meet the intended purpose.
We produce copper tubes suitable for bending which can be ordered according to technical specifications of the factory.



ASORTIMAN BAKARNIH CEVI ZA OPŠTU PRIMENU U INDUSTRIJI PREMA EN 12449
PRODUCT PORTFOLIO OF COPPER TUBES FOR GENERAL INDUSTRIAL PURPOSE ACCORDING TO EN 12449

VRSTA BAKRA *TYPE OF COPPER*	DIMENZIJE, mm / *DIMENSIONS, mm*		OBLIK ISPORUKE *FORM OF DELIVERY*
	SPOLJAŠNJI PREČNIK *OUTSIDE DIAMETER*	DEBLJINA ZIDA *WALL THICKNESS*	
Cu-DHP	6.0 - 22.0	0.5 - 2.0	kotur, spirala (u mekom kvalitetu) *coil, spiral (soft temper)*
	6.0 - 120.0	0.5 - 10.0*	fabričke dužine (2-6 m) i fiksne (1-6 m) dužine *standard lengths (2-6 m) and ordered lengths (1-6 m)*

* u zavisnosti od spoljašnjeg prečnika
** Depending on the outside diameter*

Dimenzije koje nisu prikazane u tabeli razmatramo po posebnom upitu.
Dimensions not shown in the table shall be considered upon special requests.

2.1.3

Bakarne tankozidne cevi

Bakarne tankozidne cevi se primenjuju u industriji rashladnih uređaja, industriji izmenjivača toplote (hladnjaci i uređaji za klimatizaciju), za razvod fluida (slobodan ili pod pritiskom), instalacije za korišćenje sunčeve energije, za grejače, za bakarne zakovice (nitne).

Bakarne tankozidne cevi proizvodimo, u zavisnosti od njihove namene, prema standardima EN 1057, EN 12735-1, EN 12735-2, EN 12449, DIN, GOST, BS kao i prema drugim svetskim standardima, ali i prema specijalnim zahtevima kupaca.

Specijalni zahtevi se mogu odnositi na uže tolerancije, zadovoljenje specijalnih tehnoloških osobina, uže područje mehaničkih osobina, posebne zahteve za kvalitet površine i ostale osobine koje treba da zadovolje odgovarajuću namenu.

Thin-wall copper tubes

Thin-wall copper tubes are used in the industry of refrigeration devices, heat exchangers (refrigerators and air conditioning devices), for fluid distribution (free or under pressure), installations for the solar energy use, for heaters, for copper rivets.

Depending on their intended use, we produce thin-wall copper tubes according to standards EN 1057, EN 12735-1, EN 12735-2, EN 12449, DIN, GOST, BS, as well as according to other international standards, but also according to special requirements of our customers.

Special requirements may refer to reduced tolerances, special technological requests in terms of properties, smaller range of mechanical properties, special requests regarding surface quality and other properties that should meet the intended purpose.

STANDARDNI (OSNOVNI) ASORTIMAN TANKOZIDNIH CEVI
STANDARD (BASIC) PORTFOLIO OF THIN-WALL TUBES

PROIZVODI *PRODUCTS*	DIMENZIJE, mm / *DIMENSIONS, mm*		OBLIK ISPORUKE *DELIVERY FORM*
	SPOLJAŠNJI PREČNIK *OUTSIDE DIAMETER*	DEBLJINA ZIDA *WALL THICKNESS*	
BAKARNE Cu-DHP CEVI *COPPER Cu-DHP TUBES*	1.5 - 12.0	0.35 - 0.5	slobodan kotur* (O.D. < 5 mm), spirala** (O.D. 3 -12 mm) *free coil* (O.D. < 5 mm), spiral ** (O.D. 3 -12 mm)*
	3.0 - 12.0	0.35 - 0.5	prave dužine*** *straight lengths****

* spoljašnji prečnik kotura 500-800 mm
** spoljašnji prečnik spirale 400-800 mm
*** fabričke (2000-6000 mm) i fiksne (20-6000 mm) dužine.

** Outside coil diameter 500-800 mm*
*** Outside spiral diameter 400-800 mm*
**** Standard lengths (2000-6000 mm) and ordered lengths (20-6000 mm).*

2.1.4

Bakarne kapilarne cevi

Bakarne kapilarne cevi se primenjuju u industriji rashladnih uređaja, kao i na mernim linijama za tečnosti ili gasove u sklopu uređaja za regulaciju i upravljanje gde se zahtevaju stroge kontrole preko mera otvora da bi se obezbedile ujednačene karakteristike protoka i u druge svrhe.

Bakarne kapilarne cevi proizvodimo, prema standardu EN 12450 i prema drugim svetskim standardima, ali i prema specijalnim zahtevima kupaca.

Specijalni zahtevi se mogu odnositi na ispitivanje protoka fluida, uže tolerancije, uže područje mehaničkih osobina, posebne zahteve za kvalitet površine i ostale osobine koje treba da zadovolje odgovarajuću namenu.

Capillary copper tubes

Capillary copper tubes are used in the refrigeration industry, as well as on the measuring lines for liquids or gases in regulation and control devices where strict controls over orifice sizes are required to ensure uniform flow characteristics, as well as for other purposes.

We produce capillary copper tubes according to EN 12450 and other international standards, but also according to special requirements of our customers.

Special requirements may refer to fluid flow testing, reduced tolerances, smaller range of mechanical properties, special requests regarding surface quality and other properties that should meet the intended purpose.

STANDARDNI (OSNOVNI) ASORTIMAN KAPILARNIH CEVI
STANDARD (BASIC) PORTFOLIO OF CAPILLARY TUBES

PROIZVODI *PRODUCTS*	DIMENZIJE, mm / *DIMENSIONS, mm*		OBLIK ISPORUKE *FORM OF DELIVERY*
	SPOLJAŠNJI PREČNIK *OUTSIDE DIAMETER*	UNUTRAŠNJI PREČNIK* *WALL THICKNESS*	
BAKARNE Cu-DHP CEVI *Cu-DHP COPPER TUBES*	1,5-3,5	0,5-2,0*	Slobodan kotur *Free coi*
			Prave dužine** *Straight lengths***

* u zavisnosti od spoljašnjeg prečnika
** U mekom stanju slobodan kotur ili fiksne dužine 80-2000 mm,
u polutvrdom stanju slobodan kotur ili fiksne dužine 80-5000 mm.

** Depending on the outside diameter*
*** In soft temper, free coil or ordered lengths 80-2000 mm,*
In half-hard temper, free coil or ordered lengths 80-5000 mm.

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