



Rg5 Pbarm		EN 1982:2008					rman D	an DIN For drinking water applications no other sing should be more than 0.02 %. The sum of thes								
Ng5 Fballi		CuSn5Zr	DIN 50930-6				elements should not exceed 0.25%.									
Chamical		Cu	Sn	Pb	Zn	Ni	Al	Fe	Р	S	Si	Sb	As	Cr	Bi	Cd
Chemical Composition in %	min	84.0	4.0	-	4.0		-	2004	-	-	-	-	-	ÿ -	-	2
Composition in 70	max	88.0	6.0	3.0	6.0	0.6	0.01	0.3	0.04	0.04	0.01	0.1	0.03	0.02	6. Cr Bi 	0.02
Mechanical	Rm	(Tensile s	strengt	h min.)	RpC).2 (Proc	of Stren	gth mir	າ.)	A (Elon	gation :	min.)	H _B (Br	inell ha	rdness	min.)
Properties		250 N	/mm ²			110	N/mm2	2		1	3 %			65 H	BW	

engineering material with high elongation, corrosion water proof for air gas and water fittings application plain copper sanitary pipes, pipe fittings, bathroom fixtures, tubes for boilers and boiler accessories, designed for potable water, low-pressure valves, gasoline and oil-line fittings, fire extinguishing equipment fittings, etc.

D a 5	Е	N 1982:2008		Ge	rman D	IN		Bri	tish BS		US ASTM			
Rg5	CuSn52	Zn5Pb5-C (CC491K)	G-CuSn5Z	'nPb (DI	N 1705,	Nr.2.10	96.01)	LG2	BS 1400) C	C83600 (ASTM B 505)			
Chemical Composition in %		Cu (Including n	ickel)	Sn	Pb	Zn	Ni	Al	Fe	Р	S	Si	Sb	
	min	83.0		4.0	4.0	4.0	-	-	-	-	-	-	-\	
Composition in 70	max	87.0		6.0	6.0	6.0	2.0	0.01	0.3	0.1	0.1	0.01	0.25	
Mechanical	Rm (T	ensile strength min.)	Rp0.2 (Proof St	rength	min.)	A (Elo	ngatior	n min.)	Н _в (H _B (Brinell hardness min.)			
Properties		250 N/mm ²		110 N/n	nm2			13 %			S Si Sb 0.1 0.01 0.29			

structural material, to some extent can be brazed, resistant to sea water

water and steam valve housings up to 226 °C, normally stressed pump bodies and thin-walled complex castings

Da7		EN 1982:2008			Germ		US ASTM							
Rg7	Cı	ıSn7Zn4Pb7-C (CC493k	GC-Cı	uSn7Znl	Pb (DIN	C9:	C93200 (ASTM B 505)							
Chemical Composition in %		Cu (Including nic	ckel)	Sn	Pb	Zn	Ni	Al	Fe	Р	S	Si	Sb	
	min	81.0	5.2	5.0	2.0	-	-	-	-	-	-	-		
Composition in 70	max	86.0	8.0	8.0	5.0	2.0	0.01	0.2	0.1	0.1	0.01	0.3		
Mechanical	Mechanical Rm (Tensile strength mir			(Proof St	rength	min.)	A (Elc	ngatior	n min.)	H _B (B	H _B (Brinell hardness min.)			
Properties		260 N/mm ²		120 N/n	nm2		12 %				70 HBW			

resistance

bearings of cranes and elevators, minor machine tool bearings, bearings for packing machines and electric motor, piston pin bushes for load, guide bushes in hydraulic cylinders, slip and friction rings and discs, valve and gate seat rings, marine shaft covers and

Gb12	EN 1	982:2008	3		Gerr	nan DIN			Britis	h BS		US ASTM			
	CuSn12	2-C (CC48	33K)	GC-CuSi	n12 (DIN 1	705, Nr.2	.1052.04))	PB2 (BS	1400)	C9080	C90800 (ASTM B 427)			
Chemical Composition in %		Cu	Sn	Pb	Zn	Ni	Al	Fe	Mn	Р	S	Si	Sb		
	min	85.0	10.5	-	-	<u> </u>	-	-	-	-	-	-	-		
Composition in 70	max	89.0	13.0	0.7	0.5	2.0	0.01	0.2	0.2	0.6	0.05	O (ASTM B Si - 0.01 I hardness	0.15		
Mechanical Properties	Rm (Te	nsile stre	ngth mi	n.) Rp	0.2 (Proo	f Strength	n min.)	A (E	longation	min.)	H _B (Brinel	H _B (Brinell hardness min			
	3	300 N/mr	n ²		1501	V/mm2			6 %		9	90 HBW			

material with good antifriction properties, highest wear resistance application machine tool spindle bearings, which require the highest precision, precision turning lathes, grinders and gears, piston pin bushes, press bearings, high stress spindle nuts, high speed worm wheels and rims;

Gb10	EN 1	German DIN						Britis	n BS	US ASTM					
GDTU	CuSn1	0-C (CC480K)	G-CuSn10 (DIN 1705, Nr. 2.1050.01)						CT1 (BS	1400)	C90	C90500 (ASTM B 505)			
Chemical Composition in %		Cu (Including r	nickel)	Sn	Pb	Zn	Ni	Al	Fe	Mn	Р	S	Si	Sb	
	min	88.0		9.0	-	-	(-1)	-	-	-	-	-	-	-	
Composition in 70	max	90.0	11.0	1.0	0.5	2.0	0.01	0.2	0.1	0.2	0.05	0.02	0.2		
Mechanical	Rm (Tensile strength min.)			Rp0.2	Rp0.2 (Proof Strength min.) A (E					on min.)	H _B (Brinell hardness min.)				
Properties		280 N/mm ²			170 N/	mm2			10 %)		80 HBW			

application plain bearings and landing gear components on aircraft, engine components (especially for seagoing ships), underwater fastenings in naval architecture, and ship propellers, o and petrochemical industries (i.e. tools for use in non-sparking environments)

Gb12Ni	EN 1	982:2008	3		Ger	man DIN			British	BS	l	US ASTM			
GDTZIVI	CuSn12i	Ni2-C (CC	484K)	GC-CuSr	12Ni (DIN	1705, Nr	.2.1060.0	4)	CT2 (BS 1	400)	C91700	(ASTM B 427) Si Sb			
Chemical Composition in %		Cu	Sn	Pb	Zn	Ni	Al	Fe	Mn	P	S	Si	Sb		
	min	84.5	11.0	- y	-	1.5	-	-	1 - 1 -		- 1 - 1		·		
Composition in 70	max	87.5	13.0	0.3	0.4	2.5	0.01	0.2	0.2	0.4	0.05	0.01	0.1		
Mechanical	Rm (Te	nsile stre	ngth mi	in.) Rp	0.2 (Proof	Strength	n min.)	A (E	longation r	nin.)	H _B (Brinell	H _B (Brinell hardness mir			
Properties		300 N/mr	n ²	1 /	180 N	J.	10 % 95 HBW								

housing and pump cases, guide and running wheels and impellers for pumps and water turbines, etc.



COMPANY PRODUCTS

ROUND BAR



Size (mm):

D = 13.0 - 152.0

ROUND TUBE



D = 21.0 - 152.0d = 9.0 - 112.0

HOLLOW WIT H POLYGON INSIDE



Size (mm): D = 24.5 - 67.0SW = 12.1; 17.1; 22.1; 27.1; 32.1; 42.1

OCTAGON



Size (mm): A = 34.0

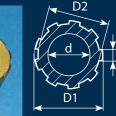
OCTAGONAL TUBE



Size (mm): A = 34d = 9.0-21.0

HOLLOW WIT HOUTER RI BS

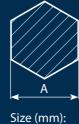




Size (mm): D1 = 31.0; 38.0D2 = 28.0; 35.0; A = 5 d = 14.5; 17.5; 20.0; 23.3

HEXA GON





A = 17.0 - 38.0

HEXA GONAL TUBE

Size (mm):

A = 22.0 - 38.0

d = 9.0-25.0

FLAT BAR

PRO FILED HOLLOW





SQUARE



Size (mm): a = 22.0-52.0

HOLLOW SQUARE

Size (mm): a = 22.0-52.0d = 9.0 - 32.0

Size (mm): a = 17.0–42.0 b = 32.0 - 72.0