

Coulée continue ou centrifuge

### COMPOSITION CHIMIQUE

	Cu	Sn	Zn	Pb	P
REX1 (CuSn7Zn4Pb7) EN 1982 CC493K	81/85	5.6/8	3/5	5/7	< 1
REX3 (CuSn12) EN 1982 CC483K	83.5/87	10.5/12.5	< 2	< 2.5	< 0.4

### CARACTERISTIQUES MECANQUES

	Rm N/mm <sup>2</sup>	Rp0.2 N/mm <sup>2</sup>	A %	Hb Brinell
REX1 (CuSn7Zn4Pb7) EN 1982 CC493K	> 260	> 120	> 12	> 70
REX3 (CuSn12) EN 1982 CC483K	> 280	> 150	> 5	> 90

### IMPORTANTE GAMME DIMENSIONNELLE

Barre Ronde :	ø 10 à 403 mm	Page 37
Barre Hexagonale :	17 à 65 mm	Page 37
Barre Carrée :	22x22 à 262x262 mm	Page 37
Barre Rectangulaire :	7x32 à 152x172 mm	Page 37
Barre Profilée :	sur demande	
Tube Standard :	ø ext. 25 à 352 mm	Page 38/39
Tube hors Standard :	ø ext. jusqu'à 3000 mm : sur fabrication spéciale	

### PROPRIETES

Bonnes caractéristiques mécaniques  
Bonne tenue à la fatigue  
Répartition homogène des éléments, texture serrée  
Absence de défauts physiques, grande compacité  
Régularité des propriétés  
Composition et élaboration scientifiquement contrôlées

### UTILISATION

**REX1 :**  
Frottement  
Vitesses élevées  
Graissage peu abondant

**REX3 :**  
Frottement très dur  
Charges très fortes  
Chocs brutaux

# BRONZE À L'ÉTAIN

## REX1 (CuSn7Zn4Pb7) & REX3 (CuSn12)



Barre obtenue par coulée continue - Dimensions standard

ROND ● mm	Poids Kg/m	ROND ● mm	Poids Kg/m	HEXAGONE ● mm	Poids Kg/m	CARRE ■ mm	Poids Kg/m	MEPLAT — mm	Poids Kg/m	MEPLAT — mm	Poids Kg/m	MEPLAT — mm	Poids Kg/m	MEPLAT — mm	Poids Kg/m
∅ 10.0	0.8	∅ 90.8	58.9	17	2.2	22x22	4.6	7x22	1.5	22x32	6.7	32x42	12.5	62x82	48.0
12.8	1.2	95.8	64.5	19	2.8	32x32	9.6	" x32	2.4	" x42	8.6	" x52	14.0	" x182	104.0
13.8	1.3	101.2	73.5	22	3.7	42x42	16.0			" x52	10.7	" x62	18.5	" x262	150.0
14.8	1.7	107.0	80.0	24	4.4	52x52	25.0	12x22	2.5	" x62	12.6	" x67	20.0		
15.8	1.9			27	5.6	62x62	35.0	" x32	3.7	" x67	14.0	" x102	31.0	72x102	68.0
		∅ 111.2	88.0	30	6.9	72x72	48.0	" x42	5.0	" x72	15.6	" x117	34.5	" x242	160.0
∅ 16.8	2.2	121.2	105.0	32	7.8	82x82	62.5	" x52	6.1	" x82	18.0	" x122	38.0		
17.8	2.5	127.0	114.0	36	10.0	92x92	79.0	" x62	7.2	" x102	22.0	" x152	46.0	112x202	207.0
18.8	2.6	131.2	123.0	41	12.9	102x102	96.0	" x72	9.5	" x122	26.0	" x162	49.0		
20.8	3.2			46	16.3	112x112	114.0	" x82	10.3	" x142	30.0	" x262	79.0	152x172	238.0
22.8	3.8	∅ 141.2	142.0	50	19.4	122x122	136.0	" x102	12.3	" x152	32.0	" x312	92.0		
		151.2	164.0	55	23.2	142x142	183.0	" x142	17.7	" x162	35.0				
∅ 25.8	4.9	162.0	186.0	60	27.5	152x152	209.0	" x202	25.5	" x182	38.0	37x52	17.0		
27.8	5.6	172.0	210.0	65	32.6	202x202	370.0	" x232	27.0	" x202	43.0	" x57	20.0		
30.8	7.0	182.0	238.0			262x262	616.0	" x312	36.0	" x262	56.0	" x82	28.0		
										" x312	64.0	" x142	48.0		
∅ 32.8	7.8	∅ 192.0	262.0					15x102	15.0						
35.8	9.3	202.0	293.0							27x52	13.0	42x52	20.0		
37.8	10.5	212.0	320.0					17x22	3.7	" x62	15.5	" x62	23.7		
40.8	12.1	222.0	350.0					" x32	5.4	" x67	17.0	" x72	28.5		
45.8	15.1	232.0	385.0					" x42	7.0	" x102	26.0	" x82	32.5		
								" x52	8.8	" x142	36.0	" x132	52.0		
∅ 50.8	18.5	∅ 242.0	415.0					" x62	10.5	" x222	55.0	" x162	64.0		
55.8	22.2	252.0	450.0					" x67	11.4	" x312	79.0	" x227	87.0		
60.8	26.5	262.0	485.0					" x72	13.0			" x312	119.0		
62.8	28.0	282.0	562.0					" x82	15.0	30x95	26.0				
65.8	30.8	303.0	645.0					" x102	18.6			52x82	40.0		
								" x122	22.0			" x102	49.5		
∅ 70.8	35.7	∅ 313.0	689.0					" x142	25.0			" x132	64.0		
75.8	41.0	323.0	731.0					" x162	29.0			" x312	147.0		
80.8	46.5	333.0	780.0					" x182	32.0						
85.8	52.0	353.0	875.0					" x202	36.0						
		403.0	1140.0					" x312	52.0						

Uniquement en REX1  
Uniquement en REX3

AUTRES DIMENSIONS SUR DEMANDE

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NORMES  
EN 1982 - CC493K  
CC483K  
DIN 1705 - NFA 53707  
C93200 - C92500



Tube obtenu par coulée continue ou centrifuge - Dimensions standard

### TUBES

TUBE ø mm	Poids Kg/m	TUBE ø mm	Poids Kg/m	TUBE ø mm	Poids Kg/m	TUBE ø mm	Poids Kg/m	TUBE ø mm	Poids Kg/m	TUBE ø mm	Poids Kg/m
14x25.8	3.7	23x70.8	32.5	39x50.8	8.4	49x60.8	10.6	58x111.2	66.0	73x85.8	17.0
" x30.8	5.7	" x75.8	36.8	" x55.8	12.5	" x65.8	15.0	" x121.2	82.5	" x90.8	23.0
" x35.8	8.0			" x60.8	16.8	48x70.8	20.0	" x131.5	99.0	" x95.8	30.0
" x40.8	11.0	26x38.8	6.0	" x65.8	21.0	" x75.8	25.0	" x141.5	119.0	" x101.2	37.0
" x45.8	13.8			38x70.8	26.0	" x80.8	32.0	" x151.5	140.0	" x106.5	45.0
" x50.8	17.2	28x38.8	5.2	" x75.8	31.0	" x85.8	37.8	" x161.5	161.0	" x111.2	52.0
" x55.8	21.0	29x40.8	6.5	" x80.8	37.5	" x90.8	43.9			" x116.5	60.0
		" x45.8	10.0	" x85.8	43.0	" x95.8	50.0	63x75.8	14.0	" x121.5	68.0
17x25.8	3.0	" x50.8	13.4	" x90.8	50.0	" x101.2	58.0	" x80.8	20.0	" x126.5	77.0
" x25.8	8.0	" x55.8	17.0	" x95.8	56.4	" x111.2	73.0	" x85.8	26.0	" x201.0	250.0
		" x60.8	20.8	" x101.2	63.9	" x121.5	89.0	" x90.8	32.0		
19x25.8	2.6	" x65.8	25.4	" x111.2	79.0	" x131.5	107.0	" x95.8	39.0	78x90.8	18.5
" x28.8	4.0	28x70.8	30.0	" x121.5	95.1	" x151.5	146.0	" x106.2	54.0	" x95.8	25.0
" x30.8	4.8	" x75.8	36.0					" x116.2	70.0	" x101.2	32.0
" x32.8	5.5	" x80.8	43.0	44x55.8	9.5	54x65.8	11.0	" x126.5	86.0	" x106.2	40.0
" x35.8	7.2	" x85.8	48.0	" x60.8	13.5	53x70.8	16.6			" x111.2	47.0
" x40.8	9.8	" x90.8	54.0	" x65.8	18.4	" x75.8	21.0			" x121.2	63.0
" x45.8	12.7	" x95.8	60.8	43x70.8	23.0	" x80.8	28.0	68x80.8	16.0	" x126.5	72.0
" x50.8	16.1	" x101.2	68.3	" x75.8	27.5	" x85.8	34.0	" x85.8	22.0	" x131.5	81.3
" x55.8	20.5	" x111.2	83.0	" x80.8	35.0	" x106.2	61.0	" x90.8	28.5	" x136.5	90.0
" x60.8	24.0			" x85.8	41.0	" x111.2	68.0	" x95.8	34.0	" x141.5	100.4
" x65.8	28.0	34x45.8	6.9	" x90.8	47.0	" x116.2	77.0	" x101.2	42.0	" x151.5	120.0
" x70.8	33.0	" x50.8	11.4	" x95.8	54.0			" x111.2	57.0	" x161.5	142.0
" x75.8	38.0	" x55.8	15.0	" x101.2	62.0	58x70.8	13.0	" x121.5	73.0	" x171.5	165.0
		" x60.8	18.5	" x106.2	68.4	" x75.8	18.0	" x131.5	91.0	" x191.5	216.0
24x32.8	4.5	" x65.8	23.0			" x80.8	24.0	" x141.5	110.0	" x201	247.0
" x35.8	5.8	33x70.8	29.0			" x85.8	30.0	" x151.5	131.0		
" x40.8	8.5	" x75.8	33.0			" x90.8	36.0	" x161.5	153.0		
" x45.8	11.8	" x80.8	40.0			" x95.8	43.4	" x171.5	176.0		
" x50.8	15.0					" x101.2	50.9				
" x55.8	18.3										
" x60.8	23.0										
" x65.8	27.0										

Uniquement en REX1  
Uniquement en REX3

AUTRES DIMENSIONS SUR DEMANDE  
Coulée Continue ou Centrifuge  
Ø extérieur : 27 à 3000 mm

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