

* GUNMETAL
* CAST-BRONZE
* LEAD-BRONZE

* CAST-BRASS
* ALUMINIUMBRONZE
* ALUMINIUM

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* GUNMETAL

Alloy	No.	Casting methode and Alloy description	Tensil strength	0,2 % Yield point	Elongation	Brinell hardness
			R_m Min. N/mm ²	$R_{p0,2}$ Min. N/mm ²	A_5 Min. %	HB Min.
EN 1982						
Cu Sn5 Zn5 Pb5-C	CC491K -GS	Sand cast Rg5	200	90	13	60
Cu Sn5 Zn5 Pb2-C	CC499K -GS	Sand cast Rg5 (Pb max. 3%)	200	90	13	60
Cu Sn7 Zn4 Pb7-C	CC493K -GS	Sand cast Rg7	230	120	15	60
		-GC Continuous cast Rg7	260	120	12	70
		-GZ Centrifugal cast Rg7	260	120	12	70
Cu Sn9 Pb2 Zn4-C	No standard -GS	Sand cast Rg9	230	110	12	75

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			R_m Min. N/mm ²	$R_{p0,2}$ Min. N/mm ²	A_5 Min. %	HB Min.
EN 1982						
Cu Sn10-C	CC480K -GS	Sand cast 90/10 bronze	250	130	18	70
Cu Sn12-C	CC483K -GS	Sand cast 88/12 bronze	260	140	7	80
		-GC Continuous cast 88/12 bronze	300	150	6	90
		-GZ Centrifugal cast 88/12 bronze	280	150	5	90
Cu Sn12 Ni2-C	CC484K -GS	Sand cast 88/12Ni bronze	280	160	12	85
		-GC Continuous cast 88/12Ni bronze	300	180	8	95
		-GZ Centrifugal cast 88/12Ni bronze	300	180	10	95

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Alloy	No.	Casting methode and Alloy description	Tensil strength	0,2 % Yield point	Elongation	Brinell hardness
			R_m Min. N/mm ²	$R_{p0,2}$ Min. N/mm ²	A_5 Min. %	HB Min.
EN 1982						
Cu Sn10 Pb10-C	CC495K -GS	Sand cast Pb10Bz	180	80	8	60
		-GZ Centrifugal cast Pb10Bz	220	110	6	70
		-GC Continuous cast Pb10Bz	220	110	8	70
Cu Sn7 Pb15-C	CC496K -GS	Sand cast Pb15Bz	170	80	8	60
		-GZ Centrifugal cast Pb15Bz	200	90	7	65
		-GC Continuous cast Pb15Bz	200	90	8	65

* CAST-BRASS

Alloy	No.	Casting methode and Alloy description	Tensil strength	0,2 % Yield point	Elongation	Brinell hardness
			R_m Min. N/mm ²	$R_{p0,2}$ Min. N/mm ²	A_5 Min. %	HB Min.
EN 1982						
Cu Zn21 Si3-C	CC768S -GS	Sand cast ECOCAST	700	450	25	190
Cu Zn40-C	No standard -GS	Sand cast BRASS	Ca. 300	Ca. 90	Ca. 13-40	Ca. 60

* ALUMINIUMBRONZE

Alloy	No.	Casting methode and Alloy description	Tensil strength	0,2 % Yield point	Elongation	Brinell hardness
			R_m Min. N/mm ²	$R_{p0,2}$ Min. N/mm ²	A_5 Min. %	HB Min.
EN 1982						
Cu Al10 Fe5 Ni5-C	CC333G -GS	Sand cast AluBz	600	250	13	140
		-GZ Centrifugal cast AluBz	650	280	13	150
		-GC Continuous cast AluBz	650	280	13	150
Cu Al11 Fe6 Ni6-C	CC334G -GS	Sand cast AluBz	680	320	5	170
		-GZ Centrifugal cast AluBz	750	380	5	185
Cu Al10 Ni5 Fe4, R680S	CW307G h11	Drawn bars	680	Ca. 480	10	170
Cu Al10 Ni5 Fe4, R740S	CW307G h11	Drawn bars	740	Ca. 530	8	180
Cu Al10 Ni5 Fe4	CW307G M	Bars Tolerance Klasse A	Ca. 640	Ca. 270	Ca. 15	Ca. 170
	After EN12163/12165.	Over ø 80mm after DIN1782				
Cu Al11 Ni6 Fe6, R750S	CW307G	Drawn bars	750	Ca. 450	10	190-235

* ALUMINIUM

Alloy	No.	Casting methode and Alloy description	Tensil strength	0,2 % Yield point	Elongation	Brinellhårdhæte
			R_m Min. N/mm ²	$R_{p0,2}$ Min. N/mm ²	A_5 Min. %	HB Min.
EN 1706						
AC-AI Si7 Mg	EN AC-42000	F Sand cast	140	80	2	50
		T6 Sand cast with heattreatment	220	180	1	75
		F Chill cast	170	90	2,5	55
		T6 Chill cast with heattreatment	260	220	1	90
AC-AI Si10 Mg(a)	EN AC-43000	F Sand cast	150	80	2	50
		T6 Sand cast with heattreatment	220	180	1	75
		F Chill cast	180	90	2,5	55
		T6 Chill cast with heattreatment	260	220	1	90
AC-AI Si10 Mg(b)	EN AC-43100	F Sand cast	150	80	2	50
		T6 Sand cast with heattreatment	220	180	1	75
		F Chill cast	180	90	2,5	55
		T6 Chill cast with heattreatment	260	220	1	90
AC-AI Si9 Mg	EN AC-43300	T6 Sand cast with heattreatment	230	190	2	75
		T6 Chill cast with heattreatment	290	210	4	90
AC-AI Si12	EN AC-44200	F Sand cast	150	70	5	50
		F Chill cast	170	80	6	55
AC-AI Si12 Cu Ni Mg	EN AC-48000	T6 Chill cast with heattreatment	280	240	<1	100
AC-AI Mg5	EN AC-51300	F Sand cast	160	90	3	55
		F Chill cast	180	100	4	60
AC-AI Si8 Cu3	EN AC-46200	F Sand cast	150	90	1	60
		F Chill cast	170	100	1	75
AC-AI Zn5 Mg	EN AC-71000	T1 Sand cast with selfhardening	190	120	4	60
		T1 Chill cast with selfhardening	210	130	4	65