ALLOY NUMBER— COMPOSITION—COLOR	PHYSICAL PROPERTIES	ENGLISH	METRIC	FORMS AVAILABLE (commonly used forms are in boldface type)	SPECIFICATION STANDARDS	CHANGES IN APPEARANCE DURING WEATHERING CYCLES: (weathered colors described herein are based on exposure to an industrial environment (Waterbury, Conn.). In a rural or suburban environment, a longer exposure is normally required to achieve the weathered colors described on p. 12 and illustrated below).						
110 copper nominal composition: 99.9% copper color:	coefficient of thermal expansion modulus of elasticity	.0000094 per °F 17,000,000 psi	.0000170 per °C	lead coated sheet bar rod strip sheet plate	ASTM B101 ASTM B133 ASTM B152							
natural—salmon red weathered—from reddish-brown to gray-green patina in six years	tensile strength: cold rolled temper sheet	36,000 psi	248 Mpa	building construction—sheet strip pipe	ASTM B370							
	cold rolled high yield sheet	40,000 psi	276 Mpa	tube wire		unexposed	1 week	1 month	1 year	5 years	10 years	
122 copper nominal composition: 99.9% copper .02% phosphorous color: natural—salmon red weathered—from reddish-brown to gray-green patina in six years	coefficient of thermal expansion	.0000094 per °F	.0000170 per °C	pipe rod	ASTM B42 ASTM B133	weathers similarly	to Alloy 110 above.					
	modulus of elasticity	17,000,000 psi	117,200 Mpa	plate sheet strip rolled bar	ASTM B152					by A		
	tensile strength: cold rolled high yield sheet	40,000 psi	276 Mpa	threadless pipe welded tube tube	ASTM B302 ASTM B447 ASTM B75	unexposed	1 week	1 month	1 year	5 years	10 years	
220					ASTM B88					99-10-00-00-00-00-00-00-00-00-00-00-00-00-	2019 € 0100000	
commercial bronze	coefficient of thermal expansion	.0000102 per °F	.0000184 per °C	plate sheet strip rolled bar	ASTM B36		NAME OF THE OWNER, OF THE OWNER, OF THE OWNER,			1		
color:	modulus of elasticity	17,000,000 psi	117,200 Mpa	tube	ASTM B134 ASTM B135							
weathered—from brown to gray-green patina in six years	tensile strength: half hard sheet	52,000 psi	360 Mpa	bar		unexposed	1 week	1 month	1 year	5 years	10 years	
230 red brass nominal composition: 85% copper 15% zinc	coefficient of thermal expansion	.0000104 per °F	.0000187 per °C	bar plate sheet strip	ASTM B36							
color: natural—reddish yellow	modulus of elasticity	17,000,000 psi	117,200 Mpa	pipe wire tube	ASTM B43 ASTM B134 ASTM B135							
weathered—from chocolate brown to gray-green patina in six years	tensile strength: half hard sheet	57,000 psi	393 Mpa	rod		unexposed	1 week	1 month	1 year	5 years	10 years	
260 cartridge brass nominal composition: 70% copper. 30% zinc	coefficient of thermal expansion	.0000111 per °F	.0000199 per °C	plate sheet strip rolled bar	ASTM B26	Alloy 260 is recoming the alloy is usual	Alloy 260 is recommended primarily for interior work. When employed for exterior work, the alloy is seldom permitted to weather. The natural color of the alloy is usually retained through the use of clear organic coatings or film laminates. See Chapter 4, p. 21.					
color:	modulus of elasticity tensile strength:	16,000,000 psi	110,300 Mpa	wire tube pipe	ASTM B134 ASTM B135							
, , , , , , , , , , , , , , , , , , , ,	half hard sheet	62,000 psi	427 Mpa	rod								

ALLOY NUMBER COMPOSITION —COLOR	PHYSICAL PROPERTIES	ENGLISH	METRIC	FORMS AVAILABLE (commonly used forms are in boldface type)	SPECIFICATION STANDARDS	CHANGES IN APPEARANCE DURING WEATHERING CYCLES: (weathered colors described herein are based on exposure to an industrial environment (Waterbury, Conn.). In a rural or suburban environment, a longer exposure is normally required to achieve the weathered colors described on p. 14 and illustrated below).						
nominal composition: 60% copper 40% zinc color: natural—reddish yellow weathered—from red brown to gray-brown in six years	coefficient of thermal expansion modulus of elasticity tensile strength: half hard sheet	.0000110 per °F 15,000,000 psi 70,000 psi	.0000208 per °C 103,400 Mpa 483 Mpa	tube bar plate sheet strip bar rod strip wire	ASTM B135 QQ-B-613 (federal specification) QQ-B-626	unexposed	1 week	1 month	1 year	5 years	10 years	
architectural bronze nominal composition: 57% copper 3% lead 40% zinc color: natural—reddish yellow weathered—from russet-brown to dark brown in six years	coefficient of thermal expansion modulus of elasticity tensile strength	.0000116 per °F 14,000,000 psi 60,000 psi	.0000209 per °C 96,500 Mpa 414 Mpa	extrusions bar rod wire	ASTM B455	unexposed	1 week	1 month	1 year	5 years	10 years	
nominal composition: 97% copper 3% silicon color: natural—reddish old gold weathered—from russet brown to finely mottled dark grey-brown in four years	coefficient of thermal expansion modulus of elasticity tensile strength	.0000100 per °F 15,000,000 psi 78,000 psi	.0000180 per °C 103,400 Mpa 538 Mpa	plate sheet strip rolled bar bar rod shapes wire pipe tube	ASTM B98 ASTM B99 ASTM B315	unexposed	1 week	1 month	1 year	5 years	10 years	
nominal composition: 65% copper 25% zinc 10% nickel color: natural—warm silver weathered—from gray-brown to finely mottled gray-green in six years	coefficient of thermal expansion modulus of elasticity tensile strength	.0000091 per °F 17,500,000 psi 73,000 psi	.0000164 per °C 120,700 Mpa 503 Mpa	plate sheet strip bar rod wire tube	ASTM B122 ASTM B151 ASTM B206	unexposed	1 week	1 month	1 year	5 years	10 years	
nominal composition: 45% copper 42% zinc 10% nickel 2% manganese 1% lead color: natural—warm silver weathered—from gray-brown to finely mottled gray-green in six years	coefficient of thermal expansion modulus of elasticity tensile strength: extrusions	.000011 per °F 16,000,000 psi 60,000 psi	.0000198 per °C 110,300 Mpa 414 Mpa	bar extrusions rod	none applicable	Weathers similarly 745 (sheet, strip) a unexposed	to Alloy 745 above. To reand 973 (castings) be main	etain rich, warm silver appe intained on a regular basis	pearance, it is recomme s by an experienced m	nended that Alloy 796 along metal maintenance organiz	ng with its companion Alloys ization. 10 years	