



Brass and Bronze Balls

Material Characteristics

Corrosion resistant material similar to bronze, with greater tensile and yield strength.

Hardness – (Brass)

Typical hardness, as measured on parallel flats, is approximately Rockwell "B" 75 to 87†.

†Per ABMA Std 10, Table I

Material Analysis† – (Brass) CDA 270

Copper	63.0 to 68.5%
Zinc	33.5 to 36.5%
Other Elements	Trace, Max.

†Per ASM Metals Handbook

NOTE: Brass balls available in CDA 260

Material Characteristics

A high quality alloy created for environments attacked by water, gasoline, and certain solvents.

Hardness – (Bronze)

Typical hardness, as measured on parallel flats, is approximately Rockwell "B" 75-98†.

†Per ABMA Std 10, Table I

Material Analysis† – (Bronze) CA 220

Copper	89.0 to 91.0%
Zinc	08.5 to 10.5%
Other Elements	Trace, Max.

† Per ASM Metals Handbook

Material Conversion					
Material	AISI	Federal	ASTM	UNS	AMS
Yellow Brass	–	QQ-W-321	B134	C-27000	4712
Commercial Bronze	–	AA-W-321	B134	C-22000	–

General Data (Brass Balls) †					
Size in Inches	Metric Sizes	Balls per Pound	Balls per Carton	Metric Balls per Carton	Weight per Carton in Pounds
1/16		25,600	200,000		9.7
3/32		7,570	60,000		13.1
7/64	3mm	4,800	60,000	50,000	12.5
1/8		3,200	40,000		12.4
9/64		2,225	30,000		13.3
5/32	4mm	1,630	20,000	20,000	12.2
11/64		1,235	15,000		12.1
3/16	5mm	947	12,500	10,000	13.1
13/64		749	10,000		13.4
7/32		596	8,000		13.3
15/64	6mm	487	6,000	6,000	12.3
1/4		400	5,000		12.4
17/64	7mm	335	4,000	4,000	11.9
9/32		281	3,500		12.4
5/16	8mm 9mm 10, 11, 12mm	205	2,500	2,500 1,750 1,250, 1,000, 750	12.2
11/32		154	2,000		12.9
3/8		118	1,500		12.6
7/16		74	1,000		13.3
1/2		50	500		10.0
9/16		35	300		8.5
5/8		26	250		9.7
11/16		19	200		10.4
3/4		15	150		10.1
1		–	50		8.0

† Note: Other analyses of Brass and Bronze available upon request.