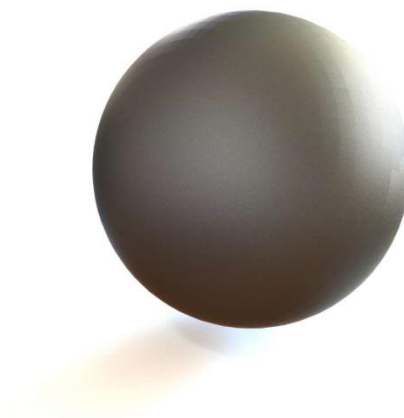


Stainless Steel 304

Available sizes

mm	inch
1.00	
1.58	1/16
2.00	
2.38	3/32
3.17	1/8
3.96	5/32
4.76	3/16
6.35	1/4



Advice

Stainless Steel balls are through-hardened and tempered throughout for maximum strength and quality. They are recommended for grinding tough material that may not contain metal particles sometimes gains when grinding with chrome steel beads. The beads do not rust and can withstand lysis buffer up to 7 days. Use larger size beads for crushing, smaller sizes for shredding.

Chemical Composition

12.0 - 14.0 %: Cr

max 1.0 %: Mn

max 1.0 %: Si

max 0.8 %: Mo

0.6 - 0.7 %: C

max 0.3 %: S

max 0.04 %: P

Density	7.9 g/cm ³
Specific gravity	7.9
Tensile strength	100 to 180 x 10 ³ psi
Yield strength	50 to 150 x 10 ³ psi
Modulus of elasticity	29 x 10 ⁶ psi
Sphericity	0.025 mm
Nominal ball diameter tolerance	±0.127 mm
Relative cost	Moderate

*Listed bead sizes are median (average) values. Because beads are sorted by sieves, bead size varies between +/- 10% of a listed value.