

Steel Ball Bearings

Chromed Steel

Part Number	Diameter (inch)	Material
AXS 1/16 CHR	0.06250	E52100
AXS 3/32 CHR	0.09375	
AXS 1/8 CHR	0.12500	
AXS 5/32 CHR	0.15625	
AXS 11/64 CHR	0.17188	
AXS 3/16 CHR	0.18750	
AXS 1/4 CHR	0.25000	
AXS 9/32 CHR	0.28125	
AXS 5/16 CHR	0.31250	
AXS 11/32 CHR	0.34375	
AXS 3/8 CHR	0.37500	
AXS 7/16 CHR	0.43750	
AXS 1/2 CHR	0.50000	
AXS 9/16 CHR	0.56250	
AXS 5/8 CHR	0.62500	
AXS 3/4 CHR	0.75000	
AXS 7/8 CHR	0.87500	
AXS 1 CHR	1.00000	
AXS 1 1/4 CHR	1.25000	
AXS 1 1/2 CHR	1.50000	

Part Number	Diameter (mm)	Material
AXS 4MM CHR	4	E52100
AXS 7MM CHR	7	

Stainless Steel

Part Number	Diameter (mm)	Material
AXS 5/32	0.15625	440SS or 316SS
AXS 3/8	0.37500	
AXS 13/32	0.40625	

Carbon Steel

Part Number	Diameter (inch)	Material
AXS 3/16 CBN	0.18750	1055 Steel
AXS 3/8 CBN	0.37500	

ABMA Grade	Sphericity+ (in)	Basic Diameter Tolerance++ (in)	Max surface roughness [Ra] (in)
10	0.000010	±0.0001	0.000001
25	0.000025	±0.0001	0.000002
50	0.000050	±0.0003	0.000003
100	0.000100	±0.0005	0.000005
200	0.002000	±0.0010	0.000008
500	0.005000	±0.0020	*
1000	0.001000	±0.0050	*