

Silicon Nitride (Si3N4)-Inch Size



Part Number	Grade	Max Temp.(°C)	Density	Hardness(HRC)	Ball Dia Tolerance	Sphericity	Weight	Material	Color	Poisson's ratio	Coefficient of thermal expansion(10-6/K)	Metrology system	RoHS	REACH
3/32"	G10	800	3.20~3.30 g/cm	75~80	0.000010"	0.000010"	0.02276g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
3/32"	G5	800	3.20~3.30 g/cm	75~80	0.000010"	0.000005"	0.02276g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
5/64"	G10	800	3.20~3.30 g/cm	75~80	0.000010"	0.000010"	0.01317g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
5/64"	G5	800	3.20~3.30 g/cm	75~80	0.000010"	0.000005"	0.01317g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
1/16"	G10	800	3.20~3.30 g/cm	75~80	0.000010"	0.000010"	0.00675g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
1/16"	G5	800	3.20~3.30 g/cm	75~80	0.000010"	0.000005"	0.00675g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
1/32"	G10	800	3.20~3.30 g/cm	75~80	0.000010"	0.000010"	0.00084g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
1/32"	G5	800	3.20~3.30 g/cm	75~80	0.000010"	0.000005"	0.00084g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
2"	G10	800	3.20~3.30 g/cm	75~80	0.000010"	0.000010"	221.03g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
1 7/8"	G10	800	3.20~3.30 g/cm	75~80	0.000010"	0.000010"	182.12g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
1 11/16"	G10	800	3.20~3.30 g/cm	75~80	0.000010"	0.000010"	136.00g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
1 5/8"	G10	800	3.20~3.30 g/cm	75~80	0.000010"	0.000010"	118.55g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
1 1/2"	G10	800	3.20~3.30 g/cm	75~80	0.000010"	0.000010"	93.25g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
1 3/8"	G10	800	3.20~3.30 g/cm	75~80	0.000010"	0.000010"	71.82g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
5/4"	G10	800	3.20~3.30 g/cm	75~80	0.000010"	0.000010"	53.96g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
19/16"	G10	800	3.20~3.30 g/cm	75~80	0.000010"	0.000010"	46.27g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
1 1/8"	G10	800	3.20~3.30 g/cm	75~80	0.000010"	0.000010"	39.34g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
1 1/16"	G10	800	3.20~3.30 g/cm	75~80	0.000010"	0.000010"	33.14g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
1"	G10	800	3.20~3.30 g/cm	75~80	0.000010"	0.000010"	27.63g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
1"	G5	800	3.20~3.30 g/cm	75~80	0.000010"	0.000005"	27.63g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
15/16"	G10	800	3.20~3.30 g/cm	75~80	0.000010"	0.000010"	22.77g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
15/16"	G5	800	3.20~3.30 g/cm	75~80	0.000010"	0.000005"	22.77g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
29/32"	G10	800	3.20~3.30 g/cm	75~80	0.000010"	0.000010"	-	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES

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29/32"	G5	800	3.20~3.30 g/cm	75~80	0.000010"	0.000005"	-	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
7/8"	G10	800	3.20~3.30 g/cm	75~80	0.000010"	0.000010"	18.51g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
7/8"	G5	800	3.20~3.30 g/cm	75~80	0.000010"	0.000005"	18.51g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
13/16"	G10	800	3.20~3.30 g/cm	75~80	0.000010"	0.000010"	14.82g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
13/16"	G5	800	3.20~3.30 g/cm	75~80	0.000010"	0.000005"	14.82g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
25/32"	G10	800	3.20~3.30 g/cm	75~80	0.000010"	0.000010"	13.17g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES
25/32"	G5	800	3.20~3.30 g/cm	75~80	0.000010"	0.000005"	13.17g	Silicon Nitride(Si3N4)	Black	0.26	3.2	Imperial	YES	YES