

CERAMIC BALLS



4190-40D000

- Zirconia material, high strength and hardness, extremely wear resistance and corrosion resistance, good insulation, antistatic and magnetic resistance
- Mirror surface without holes
- Supplied with manufacturer inspection certificate

Inch type

Part No.	Diameter	Accuracy	Roundness
4190-1H16	1/16"	±.00008"	.00002"
4190-3H32	3/32"	±.00008"	.00002"
4190-7H64	7/64"	±.00008"	.00002"
4190-1H8	1/8"	±.00008"	.00002"
4190-5H32	5/32"	±.00008"	.00002"
4190-3H16	3/16"	±.00008"	.00002"
4190-7H32	7/32"	±.00008"	.00002"
4190-15H64	15/64"	±.00008"	.00002"
4190-1H4	1/4"	±.00008"	.00002"
4190-17H64	17/64"	±.00008"	.00002"
4190-9H32	9/32"	±.00008"	.00002"
4190-5H16	5/16"	±.00008"	.00002"
4190-11H32	11/32"	±.00008"	.00002"
4190-3H8	3/8"	±.00008"	.00002"
4190-13H32	13/32"	±.00008"	.00002"
4190-7H16	7/16"	±.00008"	.00002"
4190-29H64	29/64"	±.00008"	.00002"
4190-15H32	15/32"	±.00008"	.00002"
4190-31H64	31/64"	±.00008"	.00002"
4190-1H2	1/2"	±.00008"	.00002"
4190-17H32	17/32"	±.00008"	.00003"
4190-9H16	9/16"	±.00008"	.00003"
4190-19H32	19/32"	±.00010"	.00003"
4190-5H8	5/8"	±.00010"	.00003"
4190-21H32	21/32"	±.00010"	.00003"
4190-11H16	11/16"	±.00010"	.00003"
4190-23H32	23/32"	±.00010"	.00003"
4190-3H4	3/4"	±.00010"	.00003"
4190-25H32	25/32"	±.00010"	.00003"
4190-7H8	7/8"	±.00010"	.00004"
4190-15H16	15/16"	±.00010"	.00004"

Metric type

Part No.	Diameter	Accuracy	Roundness
4190-1D000	1.000mm	±2µm	0.5µm
4190-1D200	1.200mm	±2µm	0.5µm
4190-1D300	1.300mm	±2µm	0.5µm
4190-1D340	1.340mm	±2µm	0.5µm
4190-1D500	1.500mm	±2µm	0.5µm
4190-1D750	1.750mm	±2µm	0.5µm
4190-2D000	2.000mm	±2µm	0.5µm
4190-2D500	2.500mm	±2µm	0.5µm
4190-3D000	3.000mm	±2µm	0.5µm
4190-3D500	3.500mm	±2µm	0.5µm
4190-4D000	4.000mm	±2µm	0.5µm
4190-4D500	4.500mm	±2µm	0.5µm
4190-5D000	5.000mm	±2µm	0.5µm
4190-6D000	6.000mm	±2µm	0.5µm
4190-6D500	6.500mm	±2µm	0.5µm
4190-7D000	7.000mm	±2µm	0.5µm
4190-7D500	7.500mm	±2µm	0.5µm
4190-8D000	8.000mm	±2µm	0.5µm
4190-10D000	10.000mm	±2µm	0.5µm
4190-11D000	11.000mm	±2µm	0.5µm
4190-12D000	12.000mm	±2µm	0.5µm
4190-13D000	13.000mm	±2µm	0.6µm
4190-14D000	14.000mm	±2µm	0.6µm
4190-15D000	15.000mm	±2µm	0.6µm
4190-16D000	16.000mm	±2.5µm	0.6µm
4190-18D000	18.000mm	±2.5µm	0.6µm
4190-20D000	20.000mm	±2.5µm	0.6µm
4190-22D000	22.000mm	±2.5µm	1µm
4190-25D000	25.000mm	±2.5µm	1µm
4190-40D000	40.000mm	±2.5µm	1.5µm

Inch type set (31 pairs)

Part No.	Ceramic balls included (one pair per size)
4190-S25E	1/16", 3/32", 7/64", 1/8", 5/32", 3/16", 7/32", 15/64", 1/4", 17/64", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 29/64", 15/32", 31/64", 1/2", 17/32", 9/16", 19/32", 5/8", 21/32", 11/16", 23/32", 3/4", 25/32", 7/8", 15/16"

Metric type set (25 pairs)

Part No.	Ceramic balls included (one pair per size)
4190-S25	1mm, 1.5mm, 2mm, 2.5mm, 3mm, 3.5mm, 4mm, 4.5mm, 5mm, 6mm, 6.5mm, 7mm, 7.5mm, 8mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 18mm, 20mm, 22mm, 25mm