



Ø < 145mm

	Set of 5 Ø 90mm	Set of 5 Ø 100mm	Set of 5 Ø 100mm Leica	Prism sphere Ø 100mm
Magnetic base ^{*1}	✓	✓	✓	✓
Use for permanent marking ^{*2}	✓	✓	✓	✓
Registration via mini prism ^{*3}	✗	✗	Corresponds to height Leica Prism	Miniprism integrated
Connection for optional adapter mounts ^{*4}	✓	✓	✓	✓
Set optional with reference sphere pedestals	Separately available	Separately available	Separately available	Separately available
Recommended operating & storage temperature ^{*5}	0 to +50 °C ^{*6}	0 to +50 °C ^{*6}	0 to +50 °C ^{*6}	0 to +50 °C ^{*6}
Spheres in a set	5	5	5	1
Recommended usage	Helpful for small scan areas (e.g. plants) Indoor & outdoor	Helpful for small scan areas (e.g. plants) Indoor & outdoor	Helpful for small scan areas (e.g. plants) Indoor & outdoor	Combination of laser scanner data & tachymetric measurements
Further characteristics	Sphere withstands normal stresses, small pack size	Small pack size, easy transport & versatile use everywhere, where there is little space	Distance from sphere center & top edge of Leica plug-in pin is 60mm, corresponds to the dimension of the Leica standard prisms	Prism constant: -34.4mm (-1.35 in) / Leica: 0mm (0 in)

***1** The magnet base allows easy attachment of the sphere to magnetic surfaces. ***2** Laser scanner reference points can be marked out permanently, for instance on fixed M8 thread rods/bolts. Reference spheres with such a characteristic have a female thread and, thus, can be screwed onto the reference points. ***3** The integrated ball screw as well as the precise fabrication allow the detection of the reference sphere by use of our mini prism (030-90023). ***4** By means of special adapters, you can attach the spheres to your standard accessories (e.g. surveying tripods, tachymeter rods etc.) or to unusual surfaces (e.g. window panes). ***5** All reference spheres are approved for the working area (ambient temperature) of scanners. This temperature usually amounts to 0 to 50 degrees. ***6** When the sphere is used at very cold ambient temperatures (< -5 degrees), the painted surface might be damaged. ***7** As of September 2022. We reserve the right to change prices.