

GLM Lasermeßtechnik GmbH – Spherical Reflectors

Spherical reflectors

An important part of optical 3D measurement is the measuring tools that come into contact with the object surface. We recommend the following spherical reflectors (Corner Cubes), whose geometrical design is a full sphere but differs in the type of optical detection. GLM offers different versions of spherical reflectors. They differ in their centering accuracy and ruggedness.

Glass prism reflector

TBR

Tooling Ball Reflector

The new [TBR series](#) (“Tooling Ball Reflector”) is resistant to thermal extremes, water, humidity, dust, crashes and other physical impacts. The TBR series has a diameter of 1.5" and is equipped with a 25.4 mm prism and is available with the following centering accuracies:

Centering accuracy

+/-0.1 mm

+/-0.2 mm

SMRs (Spherically Mounted Retroreflectors)

SMR

SMR

The SMR (“Spherical Mounted Reflector”) has a diameter of 1.5". The surface quality and roundness is remarkably good. The following centering accuracies are available:

Centering accuracy

+/-0.0005" entspricht 0.0127 mm

+/-0.0003" OMS5102736
entspricht
0.00762 mm

SMR Break Proof

SMR BP

The SMR break proof has a diameter of 1.5". Compared to the normal version it is more durable. The following centering

accuracies are available:

Centering accuracy

+/-0.0005? entspricht 0.0127 mm

+/-0.0003? OMS5102659

entspricht

0.00762 mm

Do you need further accessories? Then take a look at our extensive selection by [clicking here](#)