

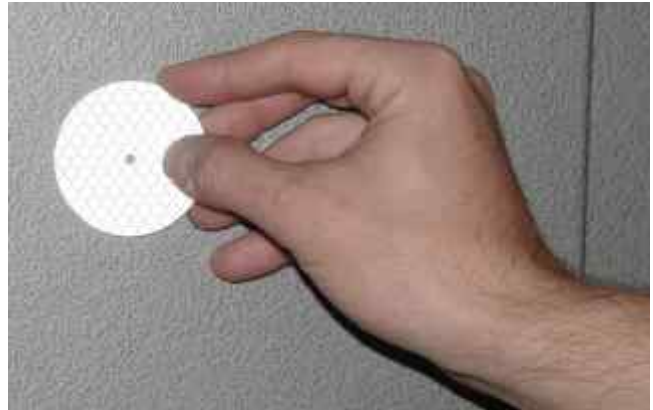
Reflector Targets

for Local/Global Scan Data Registration

RIEGL Retroreflector Targets are intended to be used as control points or tiepoints for scan data registration.

Flat Circular Retroreflectors can be used with totalstations as control points in RiSCAN PRO and RiPROFILE projects. To meet road traffic regulations, these reflectors are available in red and white color.

Biaxial Bireflex Flat Circular Retroreflectors mounted on universal joints offer the additional advantage of pivoting the reflector for setting the optimal angle of incidence to the laser measurement system.



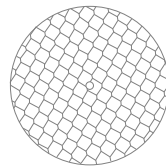
Cylindrical Retroreflectors are primarily used for prior surveying by DGPS.

RIEGL Reflector Targets

Flat Circular Retroreflectors

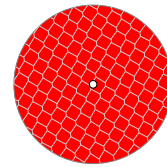
centre hole diameter 3 mm,
self-adhesive.

diameter 50 mm
diameter 100 mm



white

Part-No. 08R04-07-010-00
Part-No. 08R04-07-016-00



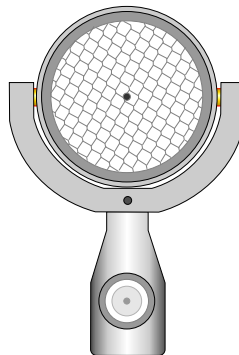
red

Part-No. 08R04-07-014-00
Part-No. 08R04-07-029-00

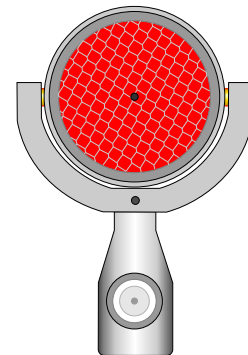
Biaxial Bireflex Flat Circular Retroreflectors

plastic reflector support,
mounted on universal joints,
with foil coating on both sides
(diameter 50 mm,
centre hole diameter 3 mm)

Part-No. 02Z01-04-001-00



front side



back side

visit our webpage
www.riegl.com



RIEGL
LASER MEASUREMENT SYSTEMS

RIEGL Reflector Targets

For your comfort we recommend the

Complete Set of Biaxial Bireflex Flat Circular Retroreflectors

comprising 15 retroreflectors mounted on convergence bolts (standard length 250 mm, R 3/8" threads), 15 triangle support feet, and a stable carrying case (dimensions: 624 x 490 303 mm) with 4 hinged handgrips and wheels.

Part-No. 02Z01-04-100-00



Cylindrical Retroreflectors

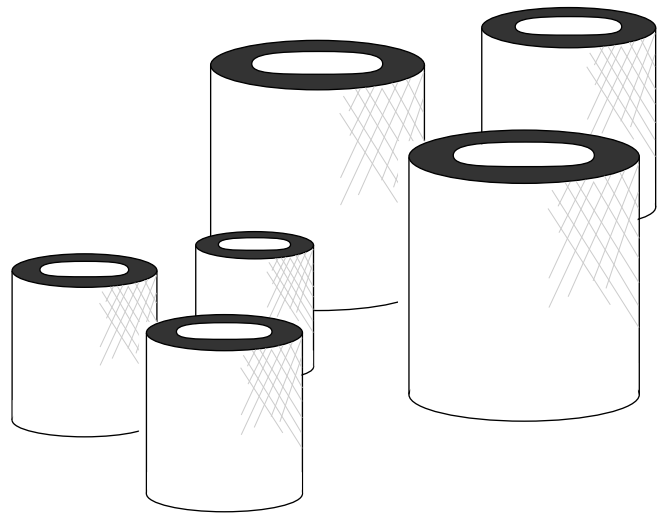
hole diameter 24.3 mm

height 50 mm x diameter 50 mm

Part-No. 08R04-07-006-00

height 100 mm x diameter 100 mm

Part-No. 08R04-07-009-00



Please note, that these reflectors have to be mounted in vertical orientation only!

Always follow BASIC SAFETY PRECAUTIONS when working with retroreflectors!



- Without owner's allowance retroreflectors must not be affixed to facades or buildings.
- When affixing retroreflectors on or nearby streets, roads, or other traffic areas, relevant road traffic regulations must be observed.
- Ensure that retroreflectors are properly mounted to avoid potential hazards, like personal injury, material damage, or delays in traffic.
- To avoid irritations retroreflectors must not be left on roads or traffic facilities at darkness.
- Relevant to the scanner types LMS-Z420i, LMS-Z390, LMS-Q280i and LMS-Q560:

Never use glass retroreflectors (so-called corner cube reflectors or prisms) as a target with the instrument.

Measuring to optical-grade retroreflectors at ranges below 100 m can permanently damage the instrument and must therefore be avoided under all circumstances.

Information contained herein is believed to be accurate and reliable. However, no responsibility is assumed by RIEGL for its use. Technical data are subject to change without notice. Data sheet, Retroreflectors, 22/08/2006



RIEGL
LASER MEASUREMENT SYSTEMS
www.riegl.com

RIEGL Laser Measurement Systems GmbH, A-3580 Horn, Austria
Tel.: +43-2982-4211, Fax: +43-2982-4210, E-mail: office@riegl.co.at
RIEGL USA Inc., Orlando, Florida 32819, USA
Tel.: +1-407-248-9927, Fax: +1-407-248-2636, E-mail: info@rieglusa.com
RIEGL Japan Ltd., Tokyo 1640013, Japan
Tel.: +81-3-3382-7340, Fax: +81-3-3382-5843, E-mail: info@riegl-japan.co.jp