



# Marker Ball

## RF Detectable Marker Balls for Underground Use

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### Features

- High location precision marker ball
- For manholes or direct buried installation
- Available in all common frequency ranges for all buried applications
- Detection range up to 2m
- Self orientation RF reflector ensures best detection range and accuracy
- No harmful fluid inside

## Application

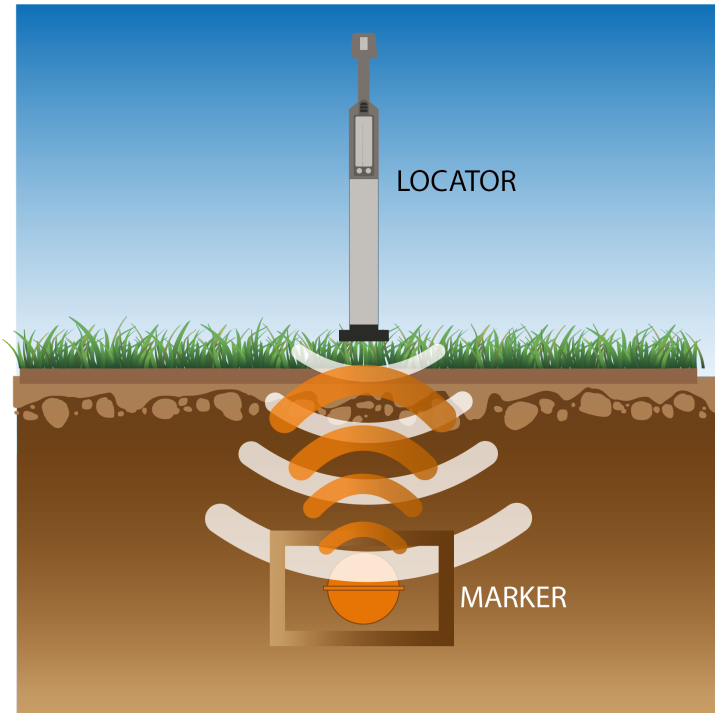
The Hexatronic Optobit Marker Ball is used for marking and finding underground cables, ducts, manholes or other hidden infrastructure. The Marker Ball is ideal for marking key points in networks such as tees and valves, and placement in or alongside junction boxes that may be overgrown in time. Reduced 'utility strikes' in the future will outweigh the cost of the tiny investment for additional marking many times over. Should work be needed on your network in the future, quick and precise location will add to savings.

It uses a passive electronic marker, compatible with common detector systems. It is designed for marking the location of objects buried in the soil down to depths of 1.5–2.0 meters. The marker ball is available in different frequency reflections for most utilities including telecom, power, water, sewage, gas, CATV and general purpose applications such as cabling for traffic light control or district heating lines.

## Design

The marker ball is shaped as a sphere and has an internal self-orientating RF reflector. This enables the marker ball to be dropped and always aligns the RF reflector for best possible detection accuracy. The RF reflector is double-encapsulated to provide long-lasting operation. The marker ball doesn't contain any harmful fluid. It can be mounted with a strap in the designed side holder (strap is an optional accessory).

## Product Information



All materials are RoHS and REACH compliant

## Technical Information

<b>Temperature, Operation [°C]</b>	-20 to +50
<b>Temperature, Storage [°C]</b>	-40 to +60
<b>Temperature, Installation [°C]</b>	-20 to +50
<b>Conformance</b>	RoHS REACH

**Technical Notes**

Detection frequency:  
 Orange (Telecom) - 101.4 kHz  
 Red (Electrical Power) - 169.8kHz  
 Purple (General Purpose) - 66,3kHz  
 Yellow (Gas) - 83kHz  
 Green (Sewage) - 121,6kHz  
 Blue (Water) - 145,7kHz  
 Black/Orange (CATV) - 77kHz  
 Blue/Red (Electrical Power alt) - 134kHz  
 Range: 1.5-2 m

**Ordering Information**

Delivered in packs of 33 pcs.

**Articles 10**

Article name	Color	Dimensions [mm]	Weight [kg]
Marker Ball, Telecom 101.4kHz, Orange MPB32100/1	Orange	100	0.11
Marker Ball, Power 169.8kHz, Red MPB32100/2	Red	100	0.11
Marker Ball, General Purpose 66,3kHz, Purple MPB32100/3	Violet	100	0.11
Marker Ball, Sewage 121.6kHz, Green MPB32100/5	Green	100	0.11
Marker Ball, Water 145.7kHz Blue MPB32100/6	Blue	100	0.11
Marker Ball, CATV 77kHz Black/Orange MPB32100/7	Black/ Orange	100	0.11
Marker Ball, Electrical power 134kHz Red/Blue MPB32100/8	Red/Blue	100	0.11
Marker Ball, Fiber Optic 92.0kHz Yellow/Black MPB32100/9	Yellow/ Black	100	0.11
Marker Ball, Gas 83kHz, Yellow MPB32100/4	Yellow	100	0.11
Black Cable tie for Marker Ball, 225mm 1/MPB32100	Black	225	-