

## M50 Series – Optical Trackball, Panel Mount, Protocol Output



### 1. DESCRIPTION

Utilizing the latest and most advanced optical tracking technology, the M50 Series Optical Trackerball™ is an extremely high specification, contact-less device, ideal for the most demanding of cursor control applications. The M50 series is designed especially for the medical and marine environments or where high levels of contamination are commonplace.

To ensure continued optimum performance and operation under the harshest of conditions, the design incorporates a removable top ring and optional drainage outlet to allow for easy cleaning, decontamination/sterilisation and maintenance - making the M50 trackball ideal for a wide range of demanding applications and environments.

The optical tracking engine provides accurate cursor motion at all speeds, combining the benefits of solid state sensing (no moving parts except the ball) with the aesthetics, functionality and performance associated with the Cursor Controls product range.

M50 optical trackballs are available with a variety of electrical outputs, variable friction controls, and sealing options to IP65.

The unit has been designed to be back of panel mounted as part of OEM keyboards and consoles.

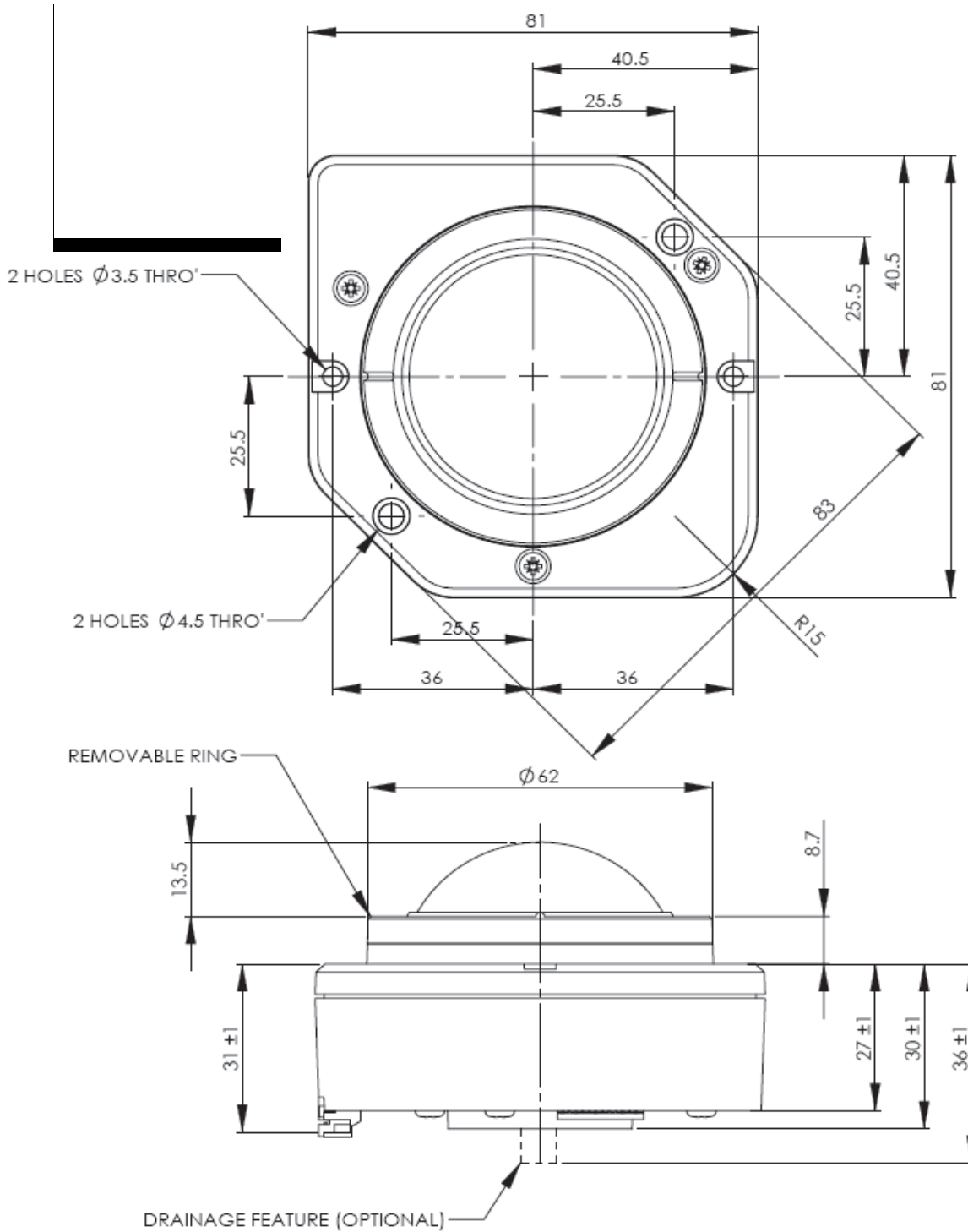
### 2. FEATURES

- Solid state sensing technology – optical tracking engine
- Sealing to IP65
- Outputs: PS/2, USB & SUN
- Smooth operation in rugged environments
- Various top plate configurations providing sealing and tracking force options
- Custom connector options
- Self draining and back flushing features (optional)
- Various ball colours
- VX3™ – integrated zoom feature for scroll wheel functionality

### 3. APPLICATIONS

- Medical systems
- Marine systems
- Custom keyboard applications
- Industrial consoles
- OEM custom solutions available

7. DIMENSION DRAWING



Dimensional drawing specifies factory default orientation.

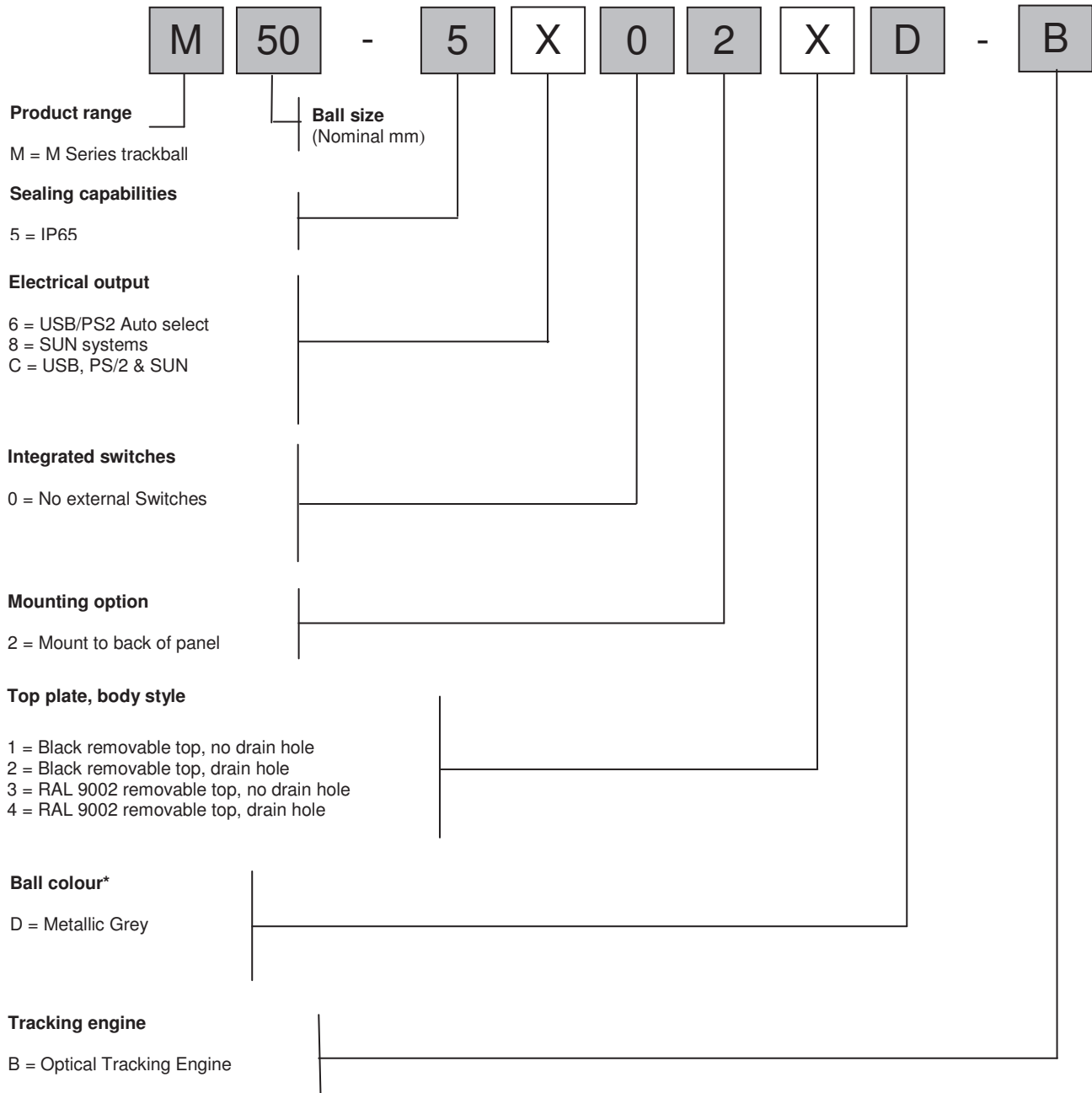
All dimensions are in mm unless otherwise stated.

Tolerances +/- 0.2mm unless otherwise stated

Please note that an IGES model is available on request. Please contact your local sales office for more information.

### 8. PRODUCT ORDERING CODE SYSTEM

Please construct your standard product ordering code by selecting the numbers and letters to suit your specification:



For further options on ball colours please contact your local sales representative

#### 8.1 Ordering Example

**M50-56021D-B** = M Series Trackball, IP65, USB & PS/2, no external switches, mount to back of panel, black removable top – no drain hole, metallic grey ball, optical tracking engine