

# Metron 05 D

## METAL DETECTION

**DIVISIBLE TUNNEL TYPE DETECTOR FOR INSTALLATION IN BELT CONVEYORS, VIBRATORY CONVEYORS AND MATERIAL CHUTES.**

**Reliable** in Process and Detection  
**Durable** in Technology and Performance  
**Easy** in Installation and Handling

Detects all metals in solid products or as loose parts.

Digital signal processing for best detection  
 Process and condition monitoring

Divisible for ease of integration

High sensitivity in rough industrial environments.

Quick and easy to install.

Proven for many years in rough environments

Specifically tailored system solutions with reliable conveying technology and selected accessories.

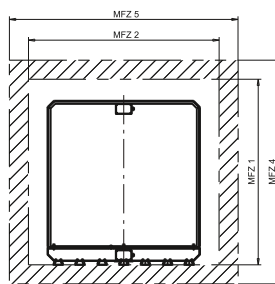
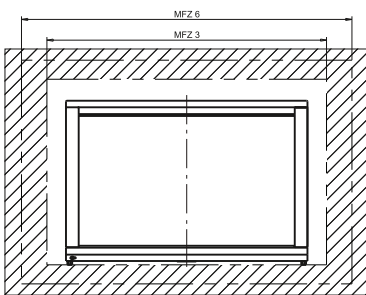


### Applications

Product inspection

Machinery protection - grinders, crushers, mills, chippers, calendars, bandsaws, and more

### Metal Free Zone (MTZ)



### Calculating the 'metal free zone'

#### For Non-moving Metals

$$\text{MFZ 1} = \text{LH}(2 \times \text{SH}) + 60\text{mm}$$

$$\text{MFZ 2} = \text{SL} + \text{LH}$$

$$\text{MFZ 3} = \text{LB} + 300\text{mm}$$

#### For moving metals

$$\text{MFZ 4} = 4 \times \text{LH}$$

$$\text{MFZ 5} = \text{SL} + 3.5 \times \text{LH}$$

$$\text{MFZ 6} = \text{LB} + 1000\text{mm}$$

Position the detector aperture in the middle of the 'metal free zone'

For the other dimensions: position the detector symmetrical in relation to the aperture.

