



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

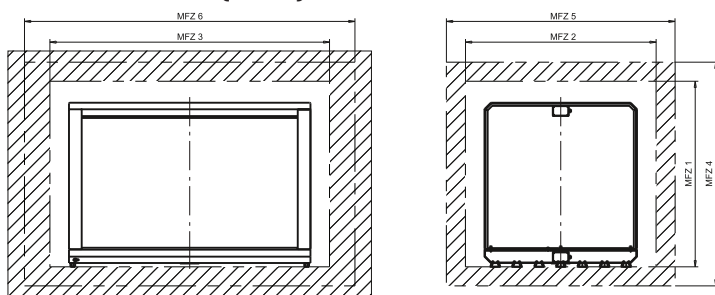
- Detects all metals in solid products or as loose parts.
- Digital signal processing for best detection
- Process and condition monitoring
- Divisible for ease of integration
- High sensitivity in rough industrial environments.
- Quick and easy to install.
- Proven for many years in rough environments
- 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.

