

# Bunting meTRON™ 07 CI

Tunnel metal detector with integrated electronics for the installation into belt conveyors, material slides and vibratory chutes.

The integrated signal processor (DSP) is the precondition for digital, 2 channel signal processing, even with conveying speeds as high as 30 meters/sec.

Image Phase - Reliable option for hard to inspect products with High Product Effect.



Reliable detection of all metals:

- Ferrous
- Stainless Steel
- Aluminum
- Copper
- Brass

Technical Data	
Power Supply	Optional 24 V DC
Type of Protection	IP 66 (optional IP 69K)
Conveying Speed	.72 to 100 Ft/Sec.
Controls	Integral electronics are standard Remote electronics are optional
Construction	Stainless Steel Sand Blasted

### Application

- Product Inspection
- Machinery Protection

### Standard Equipment

- Search head with integral control electronics
- User manual including installation instruction, wiring diagram and spare parts list

### Optional Equipment

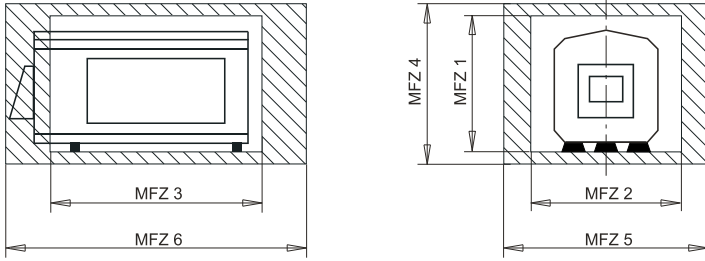
- Triple Frequency
- Warning device
- WiFi
- Software solutions
- Remote reset button
- Conveyor systems
- Reject systems
- Auto Test
- Power Conditioner

### Special Versions

- Explosion proof version (ATEX)
- Special power supply
- High temperature version up to 240° F
- Alutron (suppression of interference signals from metalized foils or aluminum vapor foils)
- Detector with remote display unit and/or control unit in a separate housing

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## Metal Free Zone (MFZ)

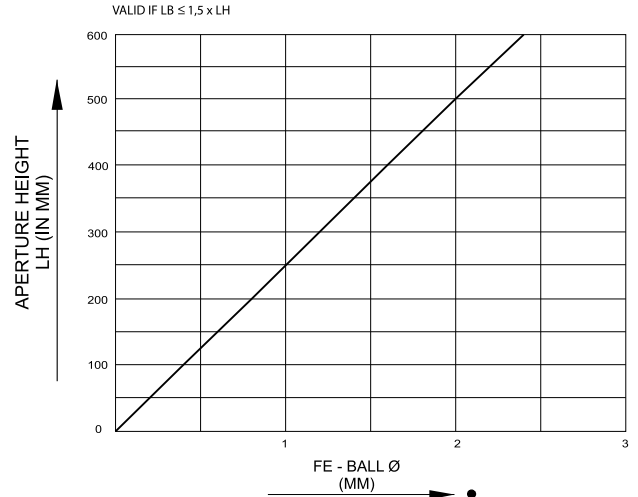


Calculating the "Metal Free Zone"

- |                       |   |
|-----------------------|---|
| For Non-Moving Metals | For Moving Metals                           |
| MFZ 1 = SH + 60 mm    | MFZ 4 = 3 LH + 2 SH + 60 mm                 |
| MFZ 2 = SL + LH       | MFZ 5 = SL + 3.5 LH                         |
| MFZ 3 = LB + LH       | MFZ 6 = LB + 3 LH (dismantle without tools) |

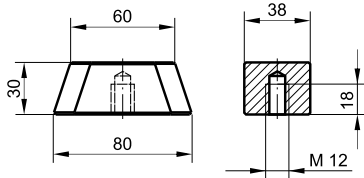
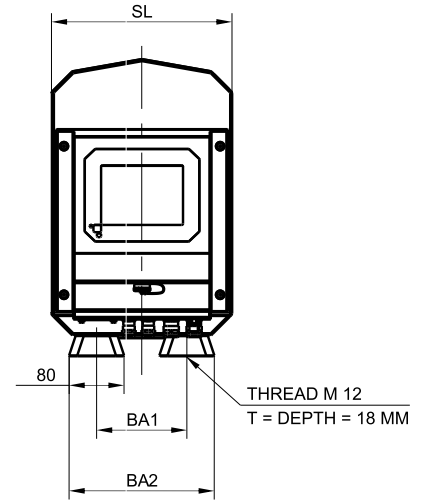
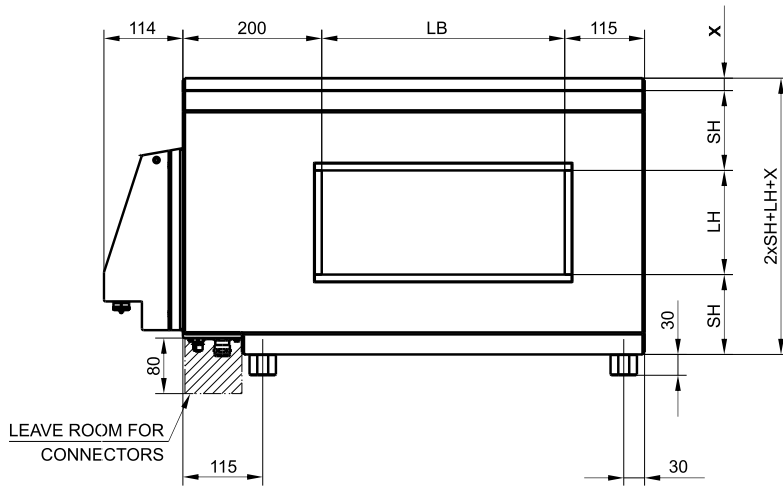
Position metal detector in the middle of the "Metal Free Zone"  
For the other dimensions, position the detector symmetrical in relation to the aperture.

## Sensitivity Diagram



The sensitivity depends on the detection coil aperture, the smaller the opening the higher the sensitivity.

## Dimensions



MOUNTING FOOT

LB (APERTURE WIDTH)

LH APERTURE HEIGHT	SL DETECTOR LENGTH	SH TOP/BOTTOM THICKNESS	DISTANCE BETWEEN BORE CENTERS		A NUMBER OF FASTENER BORES	MARK X
			BA 1	BA 2		
50	260	150	130	-	4	18
75	260	130	130	-	4	18
100 - 150	260	115	130	-	4	18
175 - 200	300	115	170	-	4	22
225 - 250	350	115	220	-	6	26
275 - 300	400	115	230	-	6	27
325 - 350	450	115	280	-	6	31
375 - 400	500	115	110	330	8	36
425 - 450	550	115	190	380	10	40
475 - 500	600	115	215	430	10	44
550 - 600	650	115	240	480	10	49

ALL DIMENSIONS IN MM.