

METAL SCANNING & WEIGHER PACKAGE

METCORR – 4 METAL DETECTOR

Package includes 4 Metcor 117C Metal Detectors:

- Two (2) METCORR 117C/12. Each 117C/12 includes:
 - 1 electronic box.
 - 2 Sets - 12 sensing coils.
 - 1 electrical connection box.
 - 2 x 10 meters of cabinet / reels connecting cable.
 - 1 spool support assembly.
 - 1 instruction and assembly manual.
 - Package: 237 x 59 x 64 cm - Weight: 120 Kg
- Two (2) METCORR 117C/16. Each 117C/16 includes:
 - 1 electronic box.
 - 2 Sets - 16 sensing coils.
 - 1 electrical connection box.
 - 2 x 10 meters of box / coils connecting cable.
 - 1 spool support assembly.
 - 1 instruction and assembly manual.
 - Package: 237 x 59 x 64 cm - Weight: 120 Kg

(4) METAL DETECTORS	FEATURES
DETECTION	FERROUS AND NON-FERROUS METALS
SENSING	DUAL SENSING FOR UNIFORM RESPONSE
COILS	2 COILS SETS – RECEIVER & TRANSMITTER
COIL WINDINGS	MOLDED IN FIBERGLASS REINFORCED ENCLOSURE



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METCORR – 4 METAL DETECTOR

DESCRIPTION & FUNCTION

The Metcorr 117C metal detector can detect electrically conductive metal objects.

The detector is suitable for mines and quarries and all other industrial installations liable to encounter metallic objects among the materials which are conveyed. The detection system then avoids the damage that these metal objects can cause on grinders, crushers and sizers.

The Metcorr 117C detector contains:

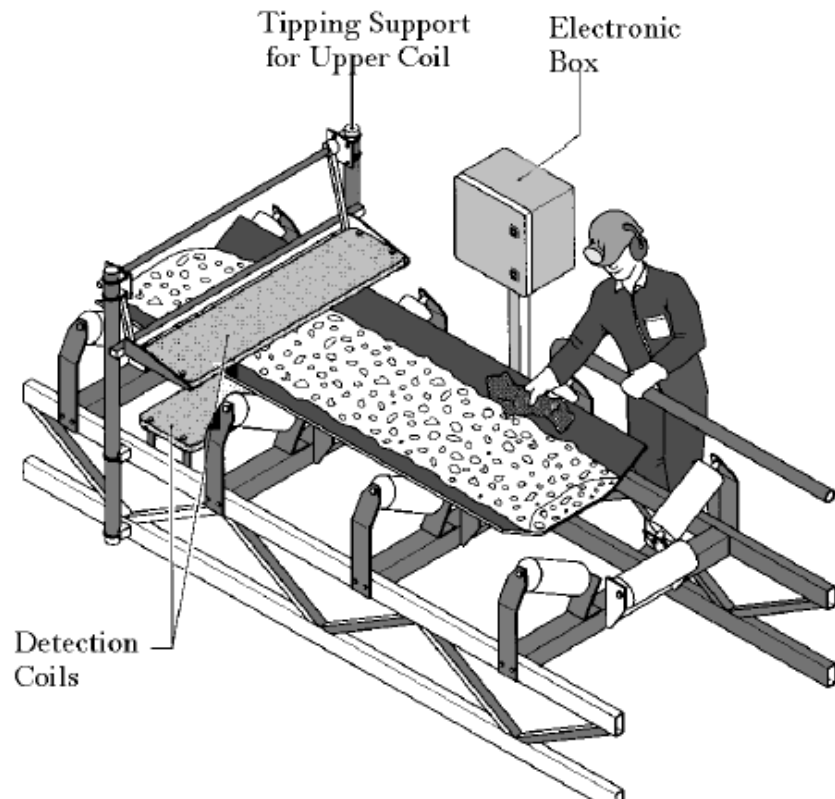
- an electronic box,
- a coil system available in 4 models (08, 12, 16 and 20 - contact us for any other size)
- a set of connection cables.

The materials scanned by the detector circulate on a belt located between the two coils. The magnetic field created by the transmitting coil triggers a reaction in the conveyed materials. This reaction then makes the metallic objects detectable.

The detector has an adjustable detection level. The sensitivity level of the system can be adjusted at start-up, allowing only dangerous metal objects to be detected.

The two-way system used in the Metcorr can detect metal rods and bars. It has been proven that in a single-track detector, long parts, depending on their orientation, create various responses. The coils of the Metcorr are formed by two crossed coils. Thus, if one of the channels gives a weak signal due to the orientation of the metal object, the other will give an exploitable signal. This system therefore ensures much more reliable and efficient detection.

The electronic box includes a pilot relay, to which two control sequences can be added, which enables external components to be activated.



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METCORR METAL DETECTOR

117C/12

Type	BELT width (B) in mm	Coil thickness = 35 mm			GAP (H)	
		Coil length (L) in mm	Coil width (I) in mm	Net weight / element	Typical	Max
117 C / 08	650	950	280	5 kg	270	550
	800					
117 C / 12	1000	1350	380	7 kg	400	800
	1200					
	1400					
117 C / 16	1600	1750	480	10 kg	550	1050
	1800					
117 C / 20	2000	2150	480	12 kg	750	1200
	2200					
	2400					

117C/16

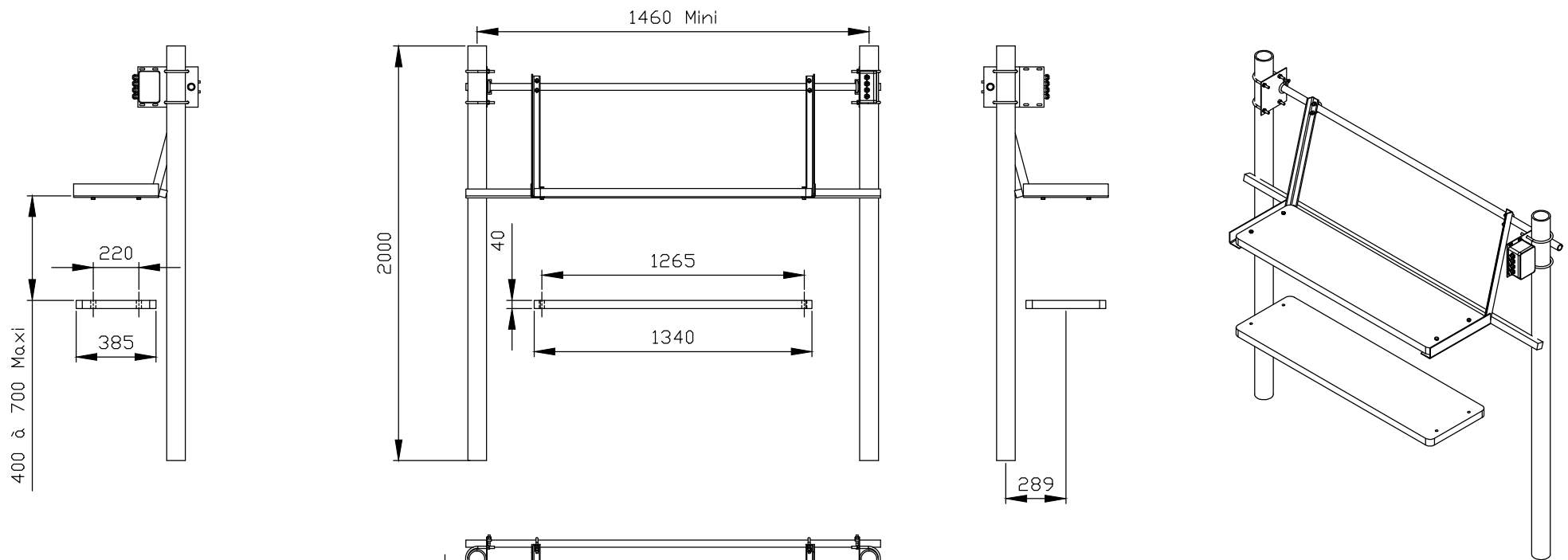
Type	BELT width (B) in mm	Coil thickness = 35 mm			GAP (H)	
		Coil length (L) in mm	Coil width (I) in mm	Net weight / element	Typical	Max
117 C / 08	650	950	280	5 kg	270	550
	800					
117 C / 12	1000	1350	380	7 kg	400	800
	1200					
	1400					
117 C / 16	1600	1750	480	10 kg	550	1050
	1800					
117 C / 20	2000	2150	480	12 kg	750	1200
	2200					
	2400					



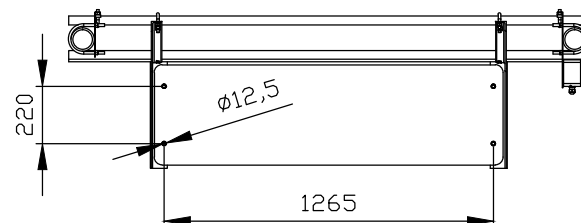
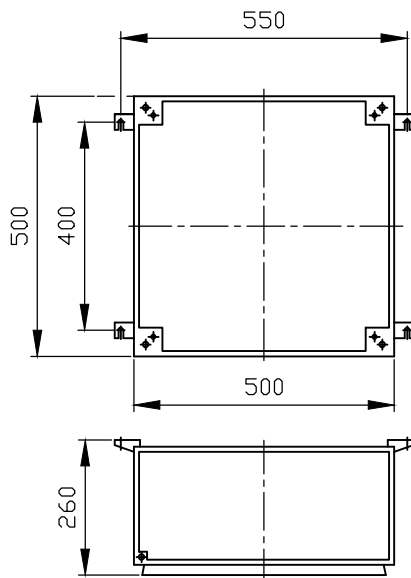
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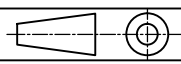
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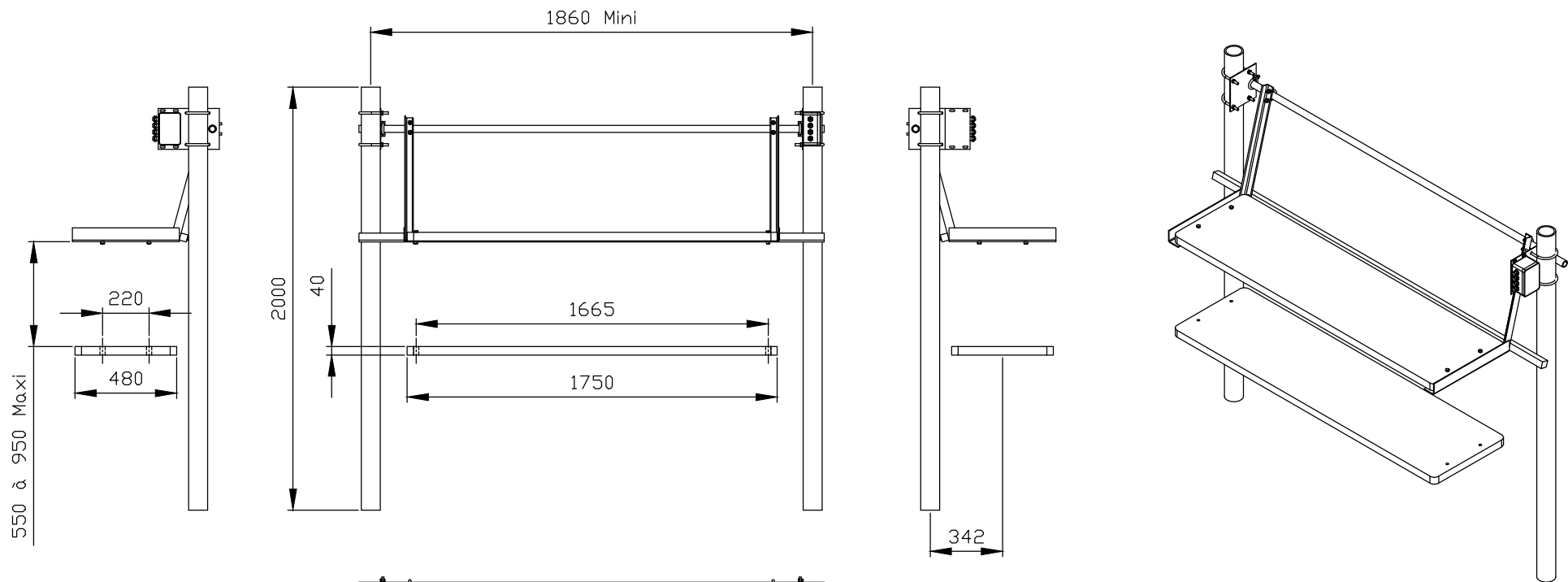


COFFRET ELECTRONIQUE
ELECTRONICS CABINET

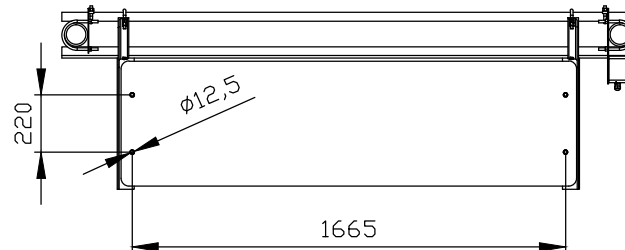
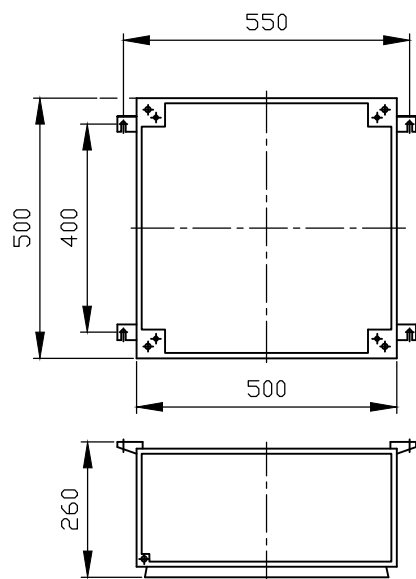


POIDS / WEIGHT : 87 KG


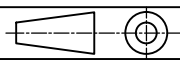
4	BOITE A BORNES ELECTRICAML BOX	1	.	2	.
3	COFFRET ELECTRONIQUE ELECTRONICS CABINET	1	.	25	.
2	CHASSIS FRAM	1	.	35	.
1	BOBINE TAILLE 12 COIL SIZE 12	2	.	25	LUX MAGNET
Repère	Désignation	Nombre	Matière	Poids (Kg)	Constructeur
		C	DETECTEUR DE METAUX METAL DETECTOR TYPE MR / C12		
		B			
		A			
	Modifications	Date	Rev		
Ce plan est notre propriété et ne peut être reproduit ou communiqué à des tiers sans notre autorisation écrite			Echelle: 1/20	Date: 03/10/13	
 <p>LUX MAGNET 5, Rue du Commerce 3895 FOETZ - LUXEMBOURG Tél: (00352) 26 17 901 - Fax: (00352) 26 55 26 22</p>			Dessiné : BL		
			N° de PLAN: MR / C12		



COFFRET ELECTRONIQUE
ELECTRONICS CABINET



POIDS / WEIGHT : 102 KG

4	BOITE A BORNES ELECTRICAML BOX	1	.	2	.
3	COFFRET ELECTRONIQUE ELECTRONICS CABINET	1	.	25	.
2	CHASSIS FRAM	1	.	40	.
1	BOBINE TAILLE 16 COIL SIZE 16	2	.	35	LUX MAGNET
Repère	Désignation	Nombre	Matière	Poids (Kg)	Constructeur
		C	DETECTEUR DE METAUX METAL DETECTOR TYPE MR / C16		
		B			
		A			
	Modifications	Date	Rev		
Ce plan est notre propriété et ne peut être reproduit ou communiqué à des tiers sans notre autorisation écrite			Echelle: 1/20		Date: 03/10/13
 <p>LUX MAGNET 5, Rue du Commerce 3895 FOETZ - LUXEMBOURG Tél: (00352) 26 17 901 - Fax: (00352) 26 55 26 22</p>			Dessiné : BL		
			N° de PLAN: MR / C16		

METAL SCANNING & WEIGHER PACKAGE

SCHENCK – 7 BELT WEIGHERS

Package includes 7 Schenck Belt Weighers:

- BMP-16 – Dual-Idler Weigher – Tag No. 220-CV-1000
- BMP-12 – Dual-Idler Weigher – Tag No. 222-CV-1000
- BMC-16 – Triple-Idler Weigher – Tag No. 510-CV-4100
- BMC-12 – Triple-Idler Weigher – Tag No. 510-CV-4400
- BMP-16 – Dual-Idler Weigher – Tag No. 515-CV-2300
- BMP-10 – Dual-Idler Weigher – Tag No. 520-CV-1000
- BMP-10 – Dual-Idler Weigher – Tag No. 520-CV-2000

DESCRIPTION & FUNCTION

Operating Principle Belt Weighers are used to acquire continuous material flows of varying amounts.

Load cells acquire the weight of load on particular belt sections. The longer the belt section is, the less the measuring result is affected by external influences.

In addition to belt load acquired by load cells, belt speed is measured by a speed transducer. The product of these two variables is the current flow rate. Integration of flow rate determines the totalized amount of material.

(7) Belt
Weighers

FEATURES

± 0.25% ACCURACY

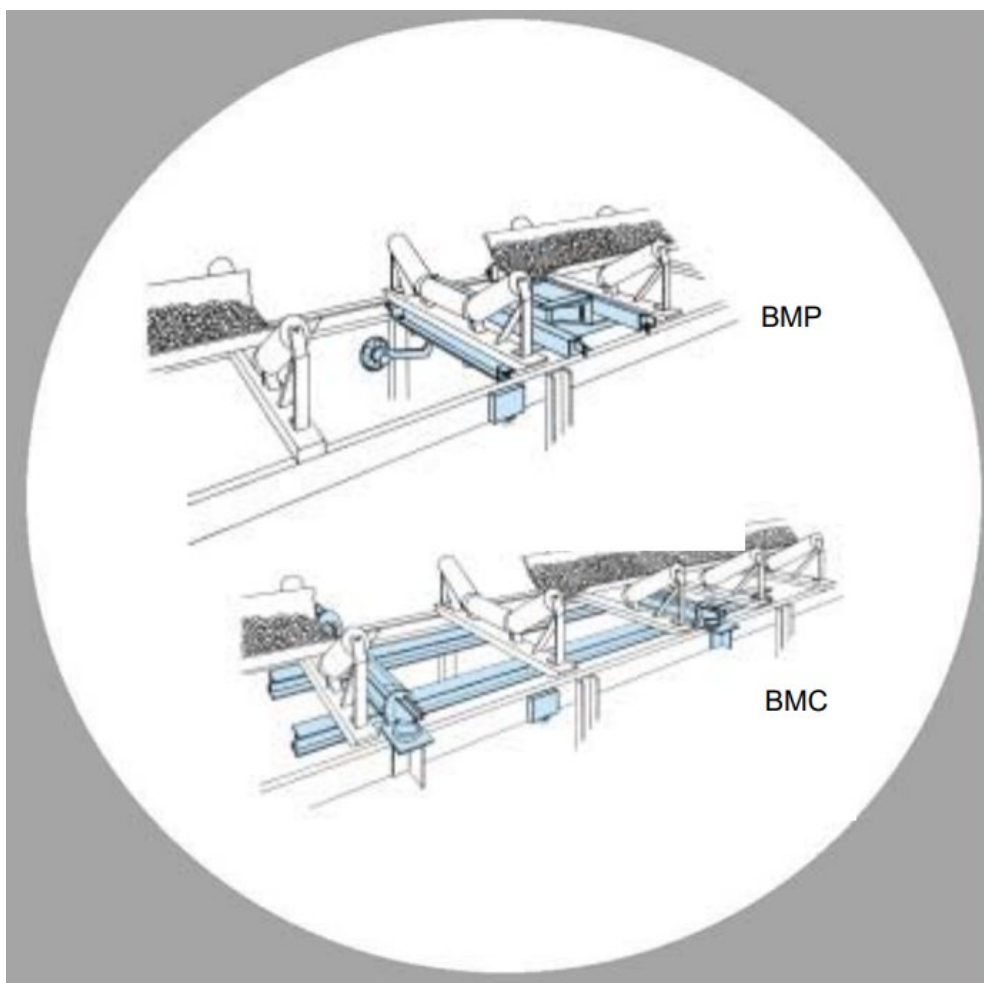
Throughput and consumption
measurement

Accountability of stored and retrieved
amounts

Legal-for-trade weighing

Load Limit Alarm

**SEE EQUIPMENT LIST, SPECS &
DRAWINGS IN FOLLOWING PAGES**



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METAL SCANNING & WEIGHER PACKAGE

SCHENCK – 7 BELT WEIGHERS

BMP-16 - DUAL IDLER WEIGHER – TAG No. 220-CV-1000

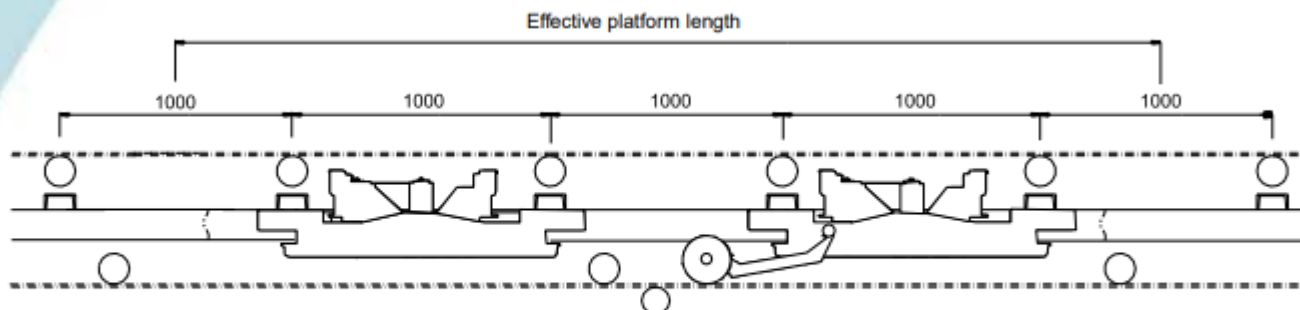
ORIGINALLY SET UP FOR A CONVEYOR WITH THE FOLLOWING SPECS

- Belt Width: 1600 mm.
- Belt speed: 2.0 m / s.
- Conveyor inclination: 15 °
- Distance between idlers: 1500 mm
- Idler gauge angle: 45 °

EQUIPMENT INCLUDES:

- One (01) Maintenance free weighing module.
- One (01) compact RTN 1.0t C3 sensors.
- One (01) FGA20RSLE type measuring wheel including the articulated arm.
- One (01) VAK 28040 junction box.
- System for hanging the weights for calibration.
- Special paint according to brochure BV-D2106AA.
- Identification plate with serial number and fixing screws.
- Two (2) hook weights of 20 kg each + two (2) flat circular weights of 20 kg each (total weight of the masses 80 kg = 40 kg per side of the scale).
- Electronics

Dual-Idler Belt Weigher 2 BMP



2 BMP weighing stations arranged one after the other to achieve higher accuracies
(Weighing station dimensions are the same as those of the BMP weighing stations)



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SCHENCK – 7 BELT WEIGHERS

BMP-12 - DUAL IDLER WEIGHER – TAG No. 222-CV-1000

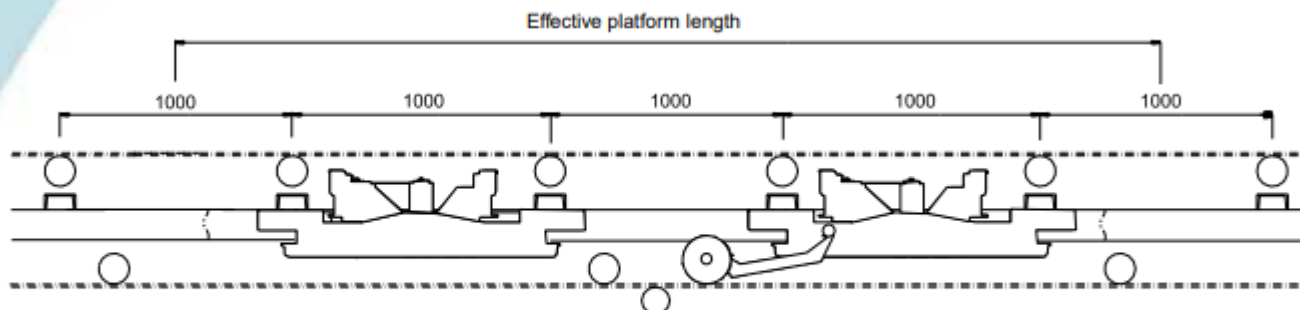
ORIGINALLY SET UP FOR A CONVEYOR WITH THE FOLLOWING SPECS

- Belt Width: 1200 mm
- Belt speed: 2.5 m / s
- Conveyor inclination: 0°
- Distance between idlers: 1500 mm
- Idler gauge angle: 45 °

EQUIPMENT INCLUDES:

- One (01) Maintenance free weighing module.
- One (01) compact RTN 1.0t C3 sensors.
- One (01) FGA20RSLE type measuring wheel including the articulated arm.
- One (01) VAK 28040 junction box.
- System for hanging the weights for calibration.
- Special paint according to brochure BV-D2106AA.
- Identification plate with serial number and fixing screws.
- Two (2) hook weights of 20 kg each + two (2) flat circular weights of 20 kg each (total weight of the masses 80 kg = 40 kg per side of the scale).
- Electronics

Dual-Idler Belt Weigher 2 BMP



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SCHENCK – 7 BELT WEIGHERS

BMC-16 - TRIPLE IDLER WEIGHER – TAG No. 510-CV-4100

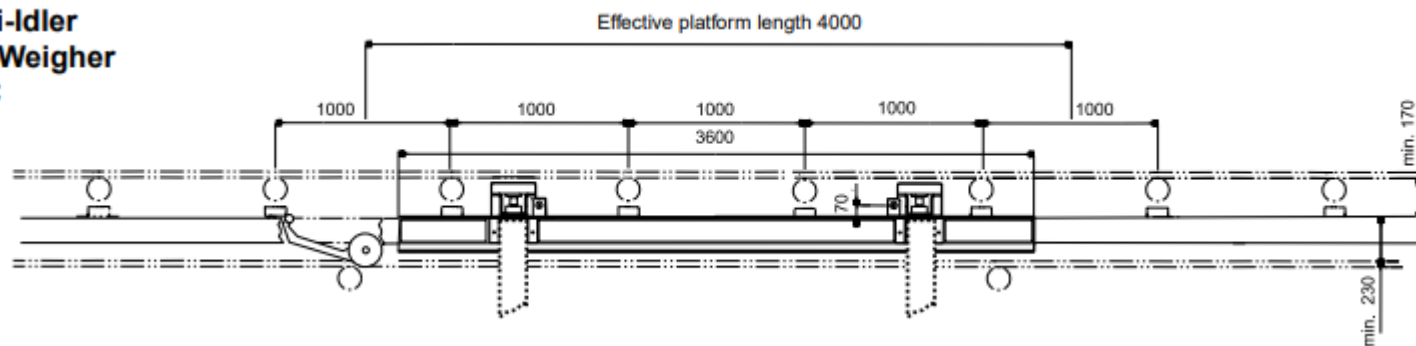
ORIGINALLY SET UP FOR A CONVEYOR WITH THE FOLLOWING SPECS

- Belt Width: 1600 mm
- Belt speed: 2.2 m / s
- Conveyor inclination: 15°
- Distance between idlers: 1500 mm
- Idler gauge angle: 45 °

EQUIPMENT INCLUDES:

- Four (04) Weighing modules each comprising an RTN load cell and a VEN bearing.
- One (01) weighing platform.
- Stabilizer bars.
- One (01) FGA20RSLE type measuring wheel including the articulated arm.
- One (01) VAK 28040 junction box.
- Special paint according to brochure BV-D2106AA.
- Identification plate with serial number and fixing screws.
- System for attaching the standard masses.
- Four (4) hook weights of 10kg each + four (4) flat circular weights of 20 kg each (total weight of the masses 120 kg = 60 kg per side of the scale).
- Electronics

Multi-Idler Belt Weigher BMC



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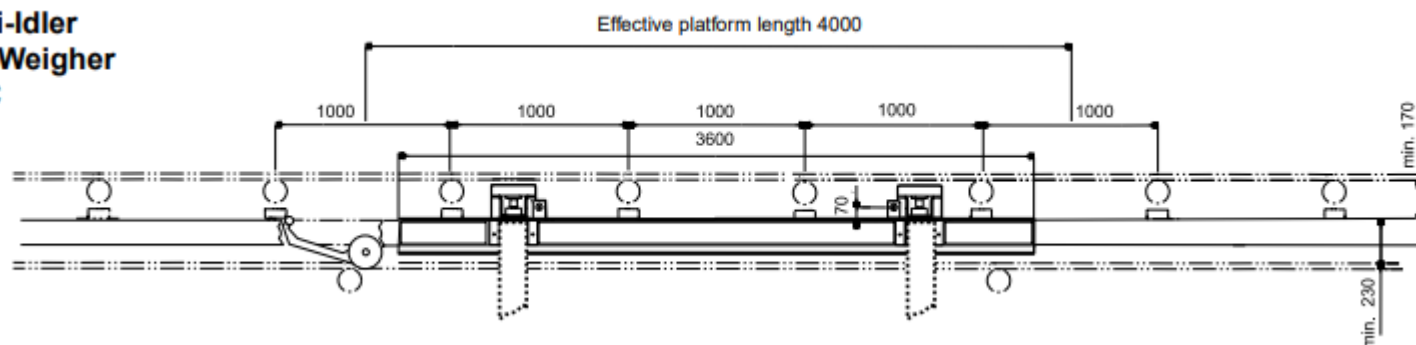
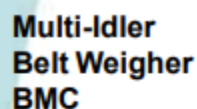
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SCHENCK – 7 BELT WEIGHERS

ORIGINALLY SET UP FOR A CONVEYOR WITH THE FOLLOWING SPECS

- Belt Width: 1200 mm
- Belt speed: 2.5 m / s
- Conveyor inclination: 11°
- Distance between idlers: 1500 mm
- Idler gauge angle: 45 °

- Four (04) Weighing modules each comprising an RTN load cell and a VEN bearing.
- One (01) weighing platform.
- Stabilizer bars.
- One (01) VAK 28040 junction box.
- System for hanging the weights for calibration.
- Special paint according to brochure BV-D2106AA.
- Identification plate with serial number and fixing screws.
- Four (4) hook masses of 20 kg each (total weight of the masses 80 kg = 40 kg per side of the seesaw).
- Electronics



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SCHENCK – 7 BELT WEIGHERS

BMP-12 - DUAL IDLER WEIGHER – TAG No. 515-CV-2300

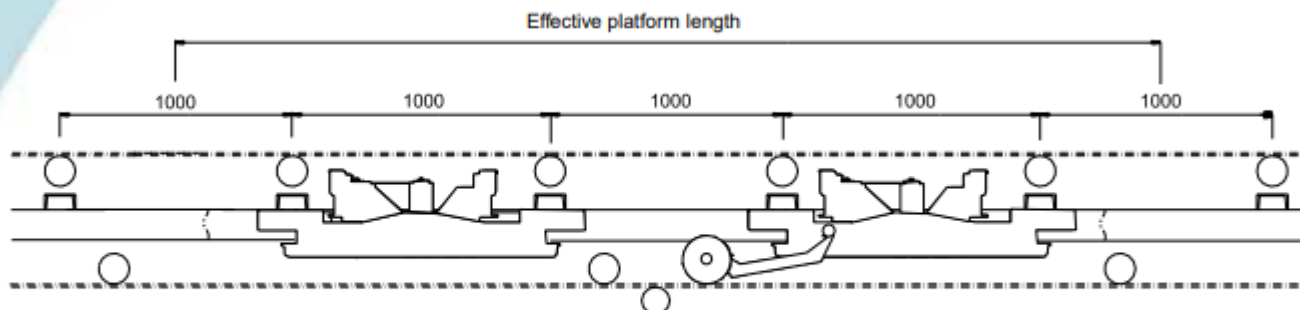
ORIGINALLY SET UP FOR A CONVEYOR WITH THE FOLLOWING SPECS

- Belt Width: 1200 mm
- Belt speed: 0.65 m / s
- Conveyor inclination: 7°
- Distance between idlers: 1500 mm
- Idler gauge angle: 45 °

EQUIPMENT INCLUDES:

- One (01) Maintenance free weighing module.
- One (01) compact RTN 1.0t C3 sensors.
- One (01) FGA20RSLE type measuring wheel including the articulated arm.
- One (01) VAK 28040 junction box.
- System for hanging the weights for calibration.
- Special paint according to brochure BV-D2106AA.
- Identification plate with serial number and fixing screws.
- Two (2) hook weights of 10kg each + two (2) flat circular weights of 20 kg each (total weight of the masses 60 kg = 30 kg per side of the scale).
- Electronics

Dual-Idler Belt Weigher 2 BMP



2 BMP weighing stations arranged one after the other to achieve higher accuracies
(Weighing station dimensions are the same as those of the BMP weighing stations)



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SCHENCK – 7 BELT WEIGHERS

BMP-10 - DUAL IDLER WEIGHER – TAG No. 520-CV-1000

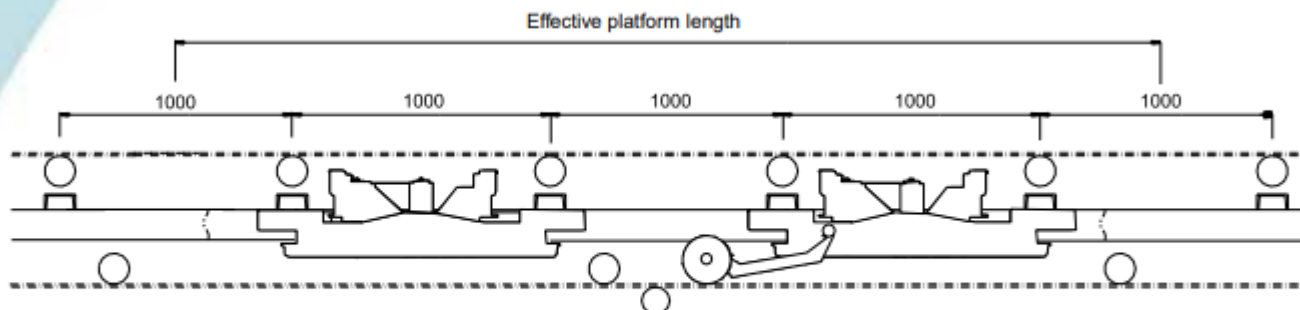
ORIGINALLY SET UP FOR A CONVEYOR WITH THE FOLLOWING SPECS

- Belt Width: 1000 mm
- Belt speed: 1.9 m / s
- Conveyor inclination: 13°
- Distance between idlers: 1500 mm
- Idler gauge angle: 45 °

EQUIPMENT INCLUDES:

- One (01) Maintenance free weighing module.
- One (01) compact RTN 1.0t C3 sensors.
- One (01) FGA20RSLE type measuring wheel including the articulated arm.
- One (01) VAK 28040 junction box.
- System for hanging the weights for calibration.
- Special paint according to brochure BV-D2106AA.
- Identification plate with serial number and fixing screws.
- Two (2) hook weights of 10 kg each + two (2) flat circular weights of 20 kg
- each (total weight of the masses 60 kg = 30 kg per side of the scale).
- Electronics

Dual-Idler Belt Weigher 2 BMP



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METAL SCANNING & WEIGHER PACKAGE

SCHENCK – 7 BELT WEIGHERS

BMP-10 - DUAL IDLER WEIGHER – TAG No. 520-CV-2000

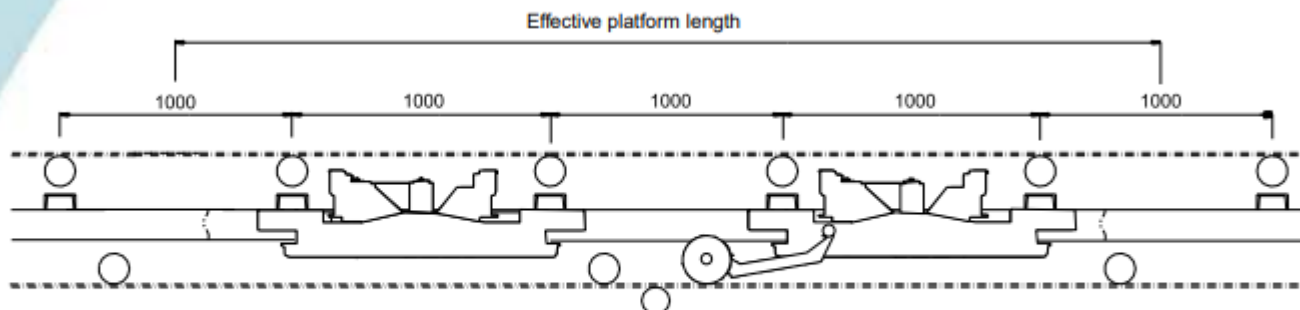
ORIGINALLY SET UP FOR A CONVEYOR WITH THE FOLLOWING SPECS

- Belt Width: 1000 mm
- Belt speed: 1.9 m / s
- Conveyor inclination: 13°
- Distance between idlers: 1500 mm
- Idler gauge angle: 45 °

EQUIPMENT INCLUDES:

- One (01) Maintenance free weighing module.
- One (01) compact RTN 1.0t C3 sensors.
- One (01) FGA20RSLE type measuring wheel including the articulated arm.
- One (01) VAK 28040 junction box.
- System for hanging the weights for calibration.
- Special paint according to brochure BV-D2106AA.
- Identification plate with serial number and fixing screws.
- Two (2) hook weights of 10kg each + two (2) flat circular weights of 20 kg each (total weight of the masses 60 kg = 30 kg per side of the scale).
- Electronics

Dual-Idler Belt Weigher 2 BMP



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