

# SHOCK-ABSORBING TROUGHS FOR CONVEYOR BELTS





The patented **FLEXAL**® system provides an ideal solution to the problem of punching on the belt in reception areas.

Equipped with polyurethane straps with high mechanical characteristics, the adjustable trough **FLEXAL**® constitutes an elastic mattress providing excellent direct damping; low friction pads assist the sliding of the belt over the straps.

**FLEXAL**® troughs have the following advantages:

- Quick and easy installation on all conveyors for troughs adjustable from 20 to 70°.
- Significant increase in belt life due to the unique potential of the shock absorbing straps.
- Reduction in the cost of maintaining the conveyor and its environment.
- Improved safety.

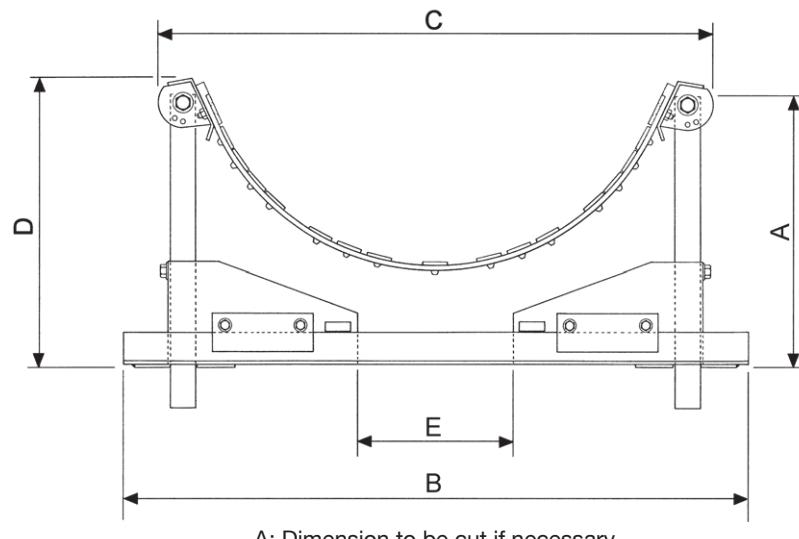
But also:

- Permanent visibility of the operation and condition of the straps that can easily be reconditioned or replaced.
- Improved sealing.
- Equipment available with strengthened white straps for very severe applications.

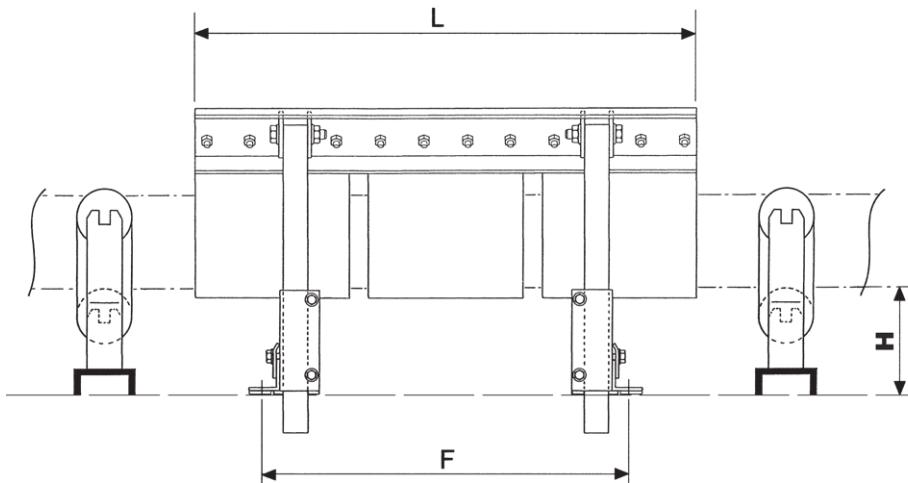


# SHOCK-ABSORBING TROUGHS

- The number of straps is determined taking into account the following criteria:
  - The nature and size of the material
  - The drop height
  - The length of the impact zone
  - The speed of the belt
  - The hourly flow
- A questionnaire is available for all requests for recommendations.
- Special assemblies – consult us.



A: Dimension to be cut if necessary.



H: Height of the centre roller in relation to the chassis.

## PRECAUTIONS FOR USE

- The **FLEXAL**® trough must always be mounted in the middle of the impact zone between two identical roller stations so that there is continuity in the shape of the trough.
- The trough transition must be made between the drum and the station preceding the **FLEXAL**® trough.
- The **FLEXAL**® cannot be fitted to a conveyor performing the function of an extractor.
- Conveyor belts must be free of metal staples and severe damage to the bottom coating.

# SHOCK-ABSORBING

## AR1 650 / 800 TROUGH

Trough		C	D	Straps	Weight
BT 650 mm	<b>20°</b>	930	H+130	2 to 3 straps	2s : 45 kg
	<b>30°</b>	890	H+180	250x7	3s : 49 kg
	<b>45°</b>	820	H+235	28 Pl. Th 6	
	<b>70°</b>	755	H+355		
	<b>20°</b>	1080	H+145	2 to 3 straps	2s : 46 kg
	<b>30°</b>	1035	H+205	250x10	3s : 51 kg
BT 800 mm	<b>45°</b>	935	H+280	32 Pl. Th 6	
	<b>70°</b>	755	H+355		

L : 810                    F : 600                    B : 1150

Mounting holes: 3 x 2 oblong holes 17x34

centre distances: 716, 878 et 1040 mm

## AR2 1000 / 1200 TROUGH

Trough		C	D	Straps	Weight
BT 1000 mm	<b>20°</b>	1310	H+145	2 to 4 straps	2s : 85 kg
	<b>30°</b>	1255	H+225	300x12	3s : 94 kg
	<b>45°</b>	1170	H+305	43 Pl. Th 8	4s : 104 kg
	<b>70°</b>	990	H+410		
	<b>20°</b>	1495	H+175	2 to 3 straps	2s : 94 kg
	<b>30°</b>	1455	H+250	360x14	3s : 106 kg
BT 1200 mm	<b>45°</b>	1320	H+365	57 Pl. Th 8	
	<b>70°</b>	1100	H+475		

L : 1200                    F : 910                    B : 1600

Mounting holes: 2 x 2 oblong holes 17x34

centre distances: 1240 and 1440 mm

## AR3 1000 / 1600 HEAVY TROUGH

Trough		C	D	Straps	Weight
BT 1000 mm	<b>30°</b>	1290	H+220	4 to 6 straps	4s : 193 kg
	<b>45°</b>	1170	H+320	300x12	5s : 202 kg
	<b>45°</b>	1170	H+320	43 Pl. Th 8	6s : 211 kg
	<b>30°</b>	1480	H+250	4 to 5 straps	4s : 203 kg
	<b>45°</b>	1345	H+350	360x14	5s : 222 kg
	<b>45°</b>	1345	H+350	57 Pl. Th 8	
BT 1200 mm	<b>20°</b>	1775	H+210	3 to 4 straps	3s : 225 kg
	<b>30°</b>	1715	H+310	480x16	4s : 249 kg
	<b>45°</b>	1550	H+430	94 Pl. Th 8	
	<b>20°</b>	1960	H+230	3 to 4 straps	3s : 233 kg
	<b>30°</b>	1885	H+350	480x16	4s : 259 kg
	<b>45°</b>	1700	H+485	108 Pl. Th 8	
BT 1400 mm	<b>20°</b>	1960	H+230	3 to 4 straps	3s : 233 kg
	<b>30°</b>	1885	H+350	480x16	4s : 259 kg
	<b>45°</b>	1700	H+485	108 Pl. Th 8	
	<b>20°</b>	1960	H+230	3 to 4 straps	3s : 233 kg
	<b>30°</b>	1885	H+350	480x16	4s : 259 kg
	<b>45°</b>	1700	H+485	108 Pl. Th 8	
BT 1600 mm	<b>20°</b>	1960	H+230	3 to 4 straps	3s : 233 kg
	<b>30°</b>	1885	H+350	480x16	4s : 259 kg
	<b>45°</b>	1700	H+485	108 Pl. Th 8	

L : 1920                    F : 1290                    B : 1900

Mounting holes: Not provided, to order.

**FLEXAL**®

**BELLE BANNE****ROLLAX****SPILL-EX****FLEXAL****ACMAN****CENTRAX****SEALTEK****EXCALIBUR****DISTRIBUTOR :**

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