

SPARMAT

High performance impact bed



R. BRUNONE
OPTIMISATION ET SECURITE DES CONVOYEURS





SPARMAT



Advantages

- ◆ Extends conveyor belt lifespan
- ◆ Offers three degrees of freedom: the flexibility of the belt (due to its position relative to the damping blocks), the chains' vertical movement when material falls on the blocks, and the flexibility of the lateral rubber absorbers placed under the chains.
- ◆ Significantly reduces frequency, duration and cost of maintenance operations.
- ◆ Thanks to SPARMAT's chain system, adjustments can be made easily, quickly and precisely.

Impact bed

The SPARMAT is an impact bed designed to absorb the shock of heavy material falling on the belt at the loading point.

The SPARMAT comprises a galvanized steel chassis, sturdy chains, rubber absorption bars, impact pads and polyethylene guide rails. The SPARMAT is compatible with our other products, such as the TRANSPAR.

Consult the SPARGAMAT spec sheet for possible configurations.

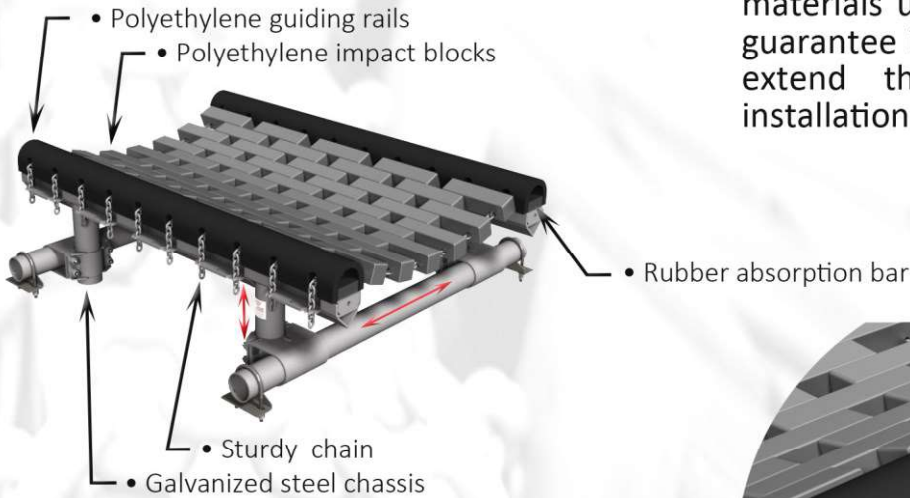
- ✓ Compatible with new and existing conveyors.
- ✓ Adaptable to your production needs:
 - Lump size of up to 20"
 - Drop height may exceed 6'
 - Belt speed of up to 600'/min
 - Available for 24" to 48" wide belts
 - Available for 54" to 72" wide belt on request
 - Compatible with 20° or 35° troughing idlers
 - Available in three standards lengths: 4', 5' and 6'

Contact us if your application does not meet the specifications mentioned above.

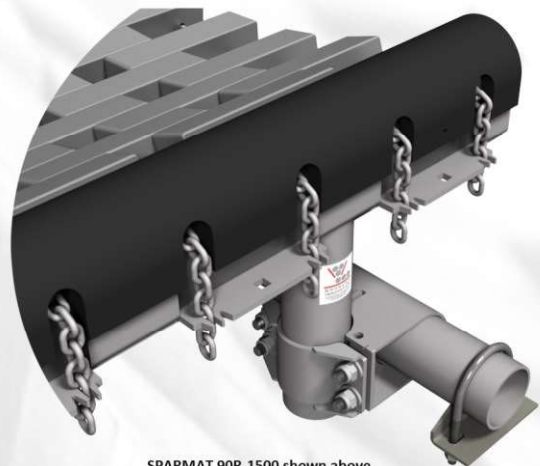


Design

The SPARMAT impact bed is built to last. The sturdy and resistant materials used in its construction guarantee its longevity, as well as extend the lifespan of your installations.

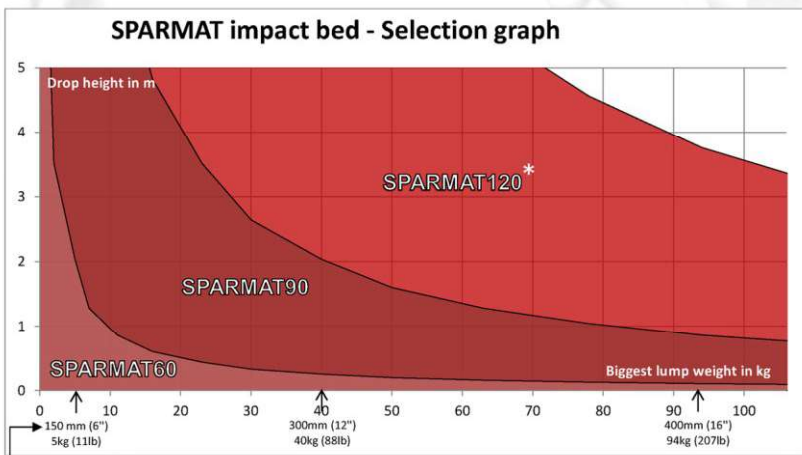


SPARMAT 90R-1500 shown above



SPARMAT 90R-1500 shown above

- The clamping system allows for adjustment of height and width of the guiding rails thus making it adaptable to most idler heights and discharge chute widths.
- The SPARMAT's adjustable chain system allows for a perfect fit with the belt profile.



The graph at left illustrates the approximate range of lump size and drop height that can be accommodated by each SPARMAT model.

However, you should contact our team for assistance in selecting the specific SPARMAT impact bed to meet your needs.

Note: Mass M (in kg) of the largest lump is calculated by multiplying lump size G (in m) and volume weight V (in kg/m³):

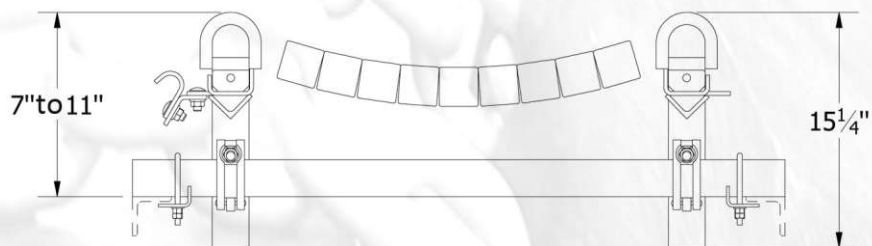
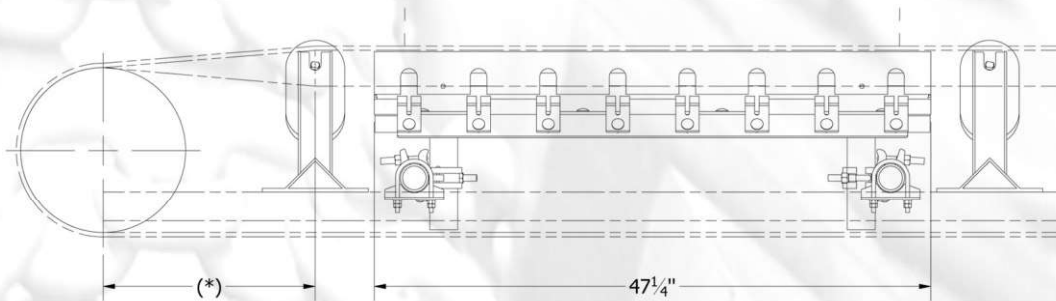
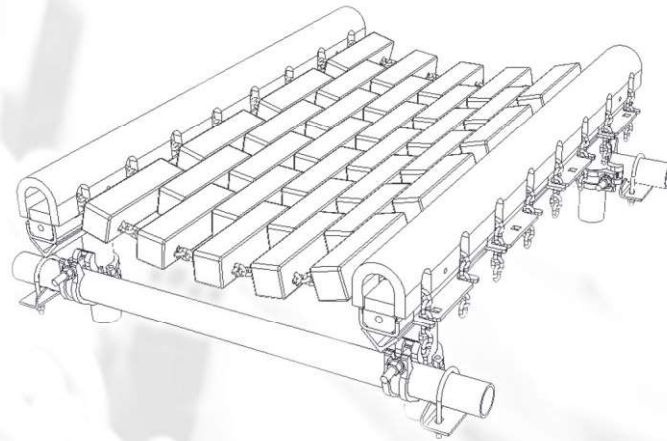
$$M = 0.52 \times G \times V$$

3

*SPARMAT 120 IS MADE TO ORDER.



General lay-out - SPARMAT 60 1200



(*) Transition length

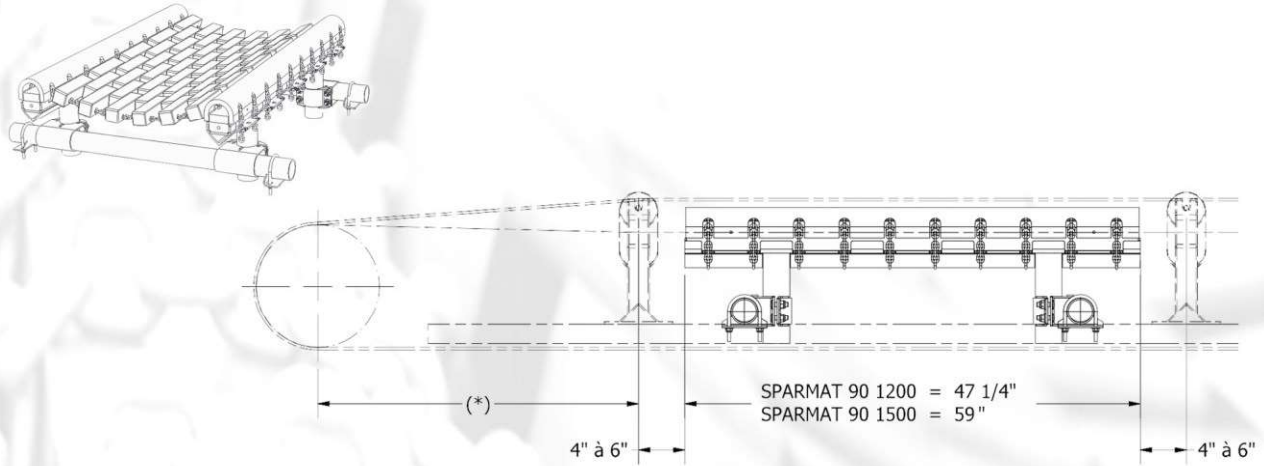
Depends on the belts' specifications, on the first idler troughing angle and on the tail pulley height in relation with the belt line (full trough vs half trough transition configuration).

We do not warrant that our guards will meet all local codes. It is the responsibility of the end user to have them checked by a local inspector.

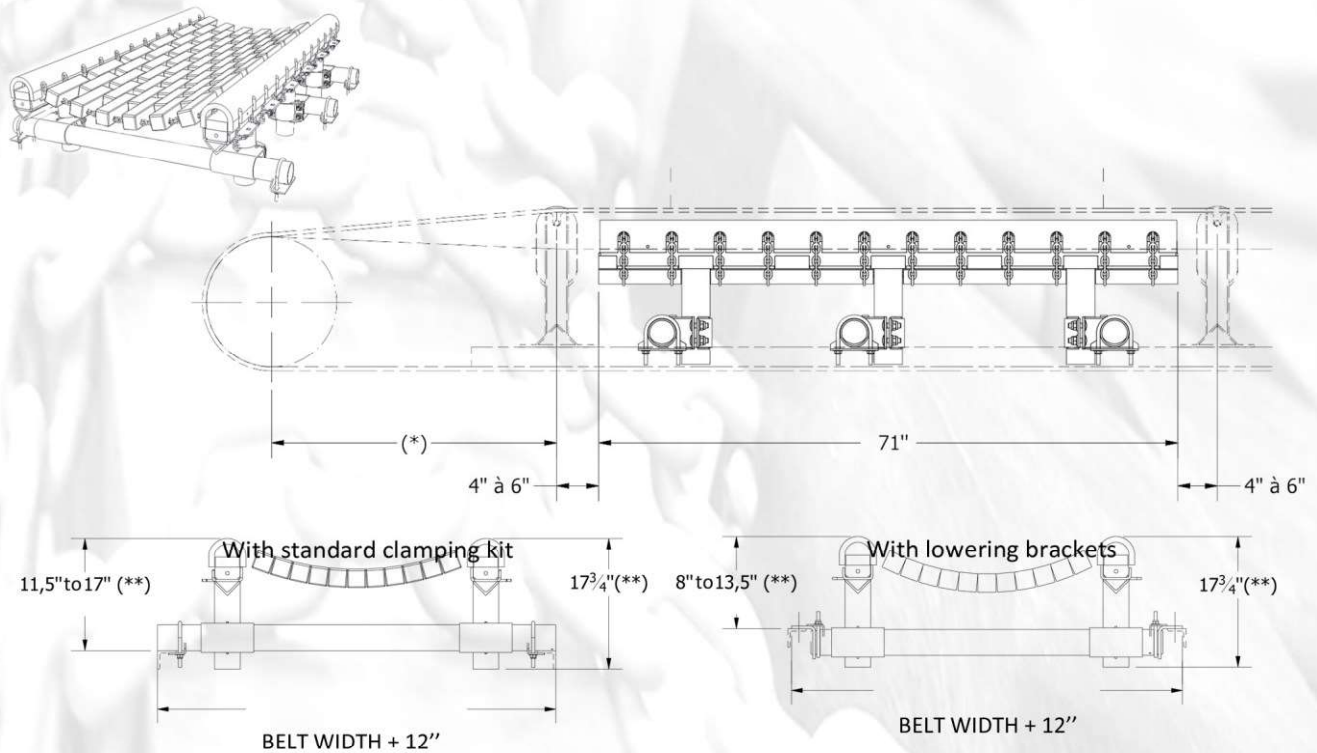


General lay-out

SPARMAT90-1200 and 1500



SPARMAT90-1800



Cross tubing are installed directly on the top of the conveyor strigner.

Cross tubing are installed under the top of the conveyor strigner.

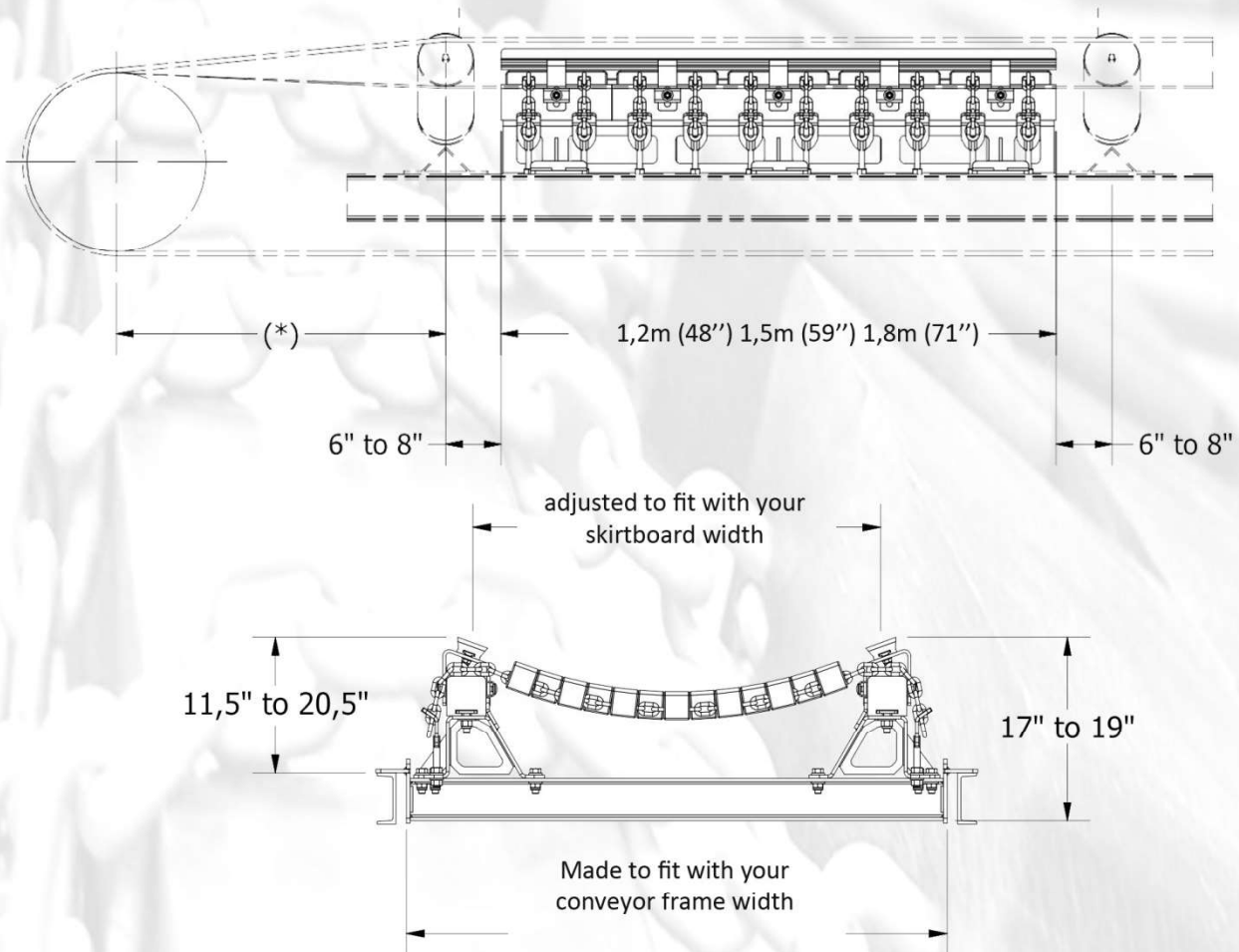
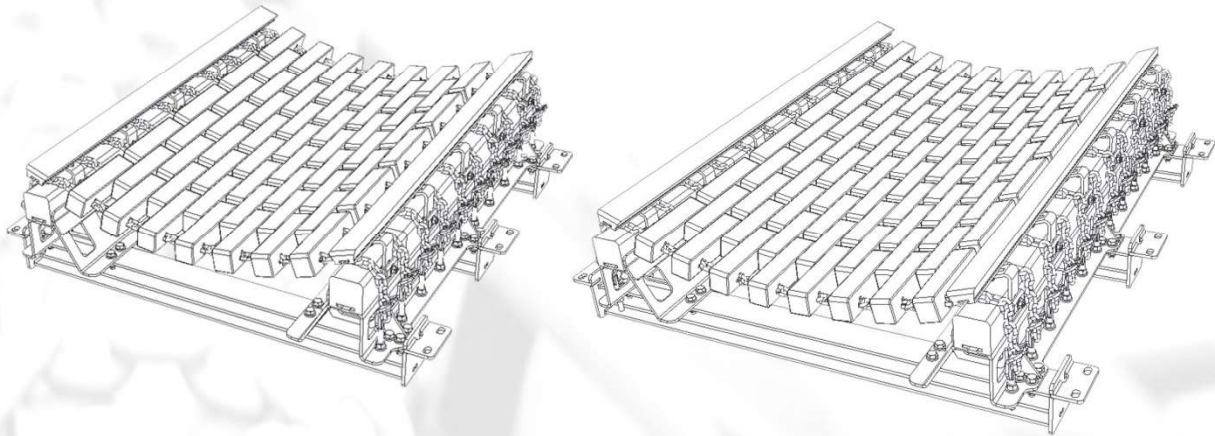
(*) Transition length

Depends on the belts' specifications, on the first idler troughing angle and on the tail pulley height in relation with the belt line (full trough vs half trough transition configuration).

(**) A 3" longer version is also available



General lay-out - SPARMAT 120



(*) Transition length

Depends on the belts' specifications, on the first idler troughing angle and on the tail pulley height in relation with the belt line (full trough vs half trough transition configuration).

We do not warrant that our guards will meet all local codes. It is the responsibility of the end user to have them checked by a local inspector.