

3 Troughing sets

3.3 - Arrangements

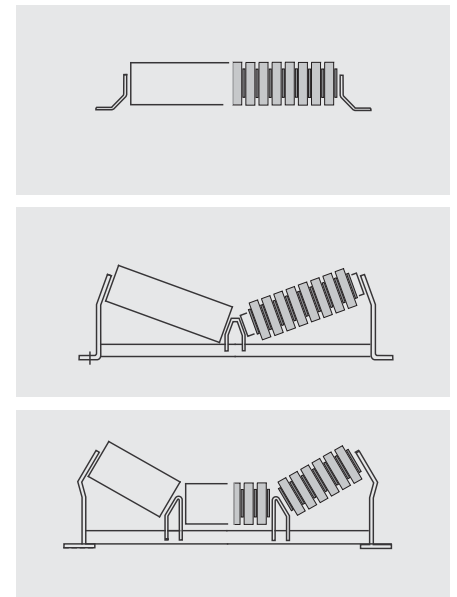
According to the requirements of the specific project, different arrangements of transoms have been designed. These may be separated into fixed and suspended transoms.

In belt conveyors there are two basic types of troughing sets: that of the carrying set, which supports the belt on the loaded section, known as the upper troughing set; and that of the return set, which supports the empty belt on its return section.

A particular category of troughing sets is that known as the impact set which is positioned to correspond to the section where the belt is loaded with material.



Fig. 1 - Fixed troughing sets

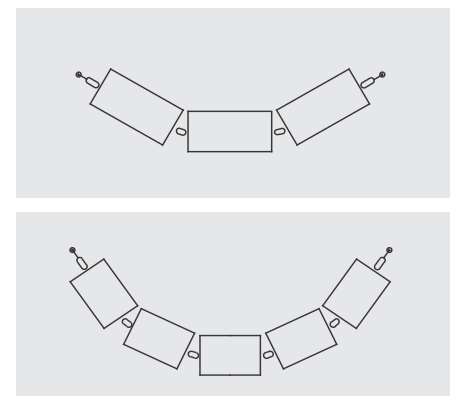


3.3.1 - Upper carrying troughing sets

The drawings illustrate the arrangements of fixed carrying troughing sets with plain or impact rollers Fig. 1, and the suspended troughing set "garland" Fig. 2.

The carrying troughing sets of three rollers are designed as standard for single directional belts, and for this reason have a slight forward inclination of two degrees in the position of the side rollers. This assists the belt tracking by an autocentring effect. For reversible belts the version R is required, which is without the above two degrees (see "order codes" para. 3.3.3).

Fig. 2 - "Garland" sets



3.3.2 - Return sets

The lower or return sets may also be chosen from varying arrangements according to the requirement: fixed sets with plain steel roller or with spacer rings Fig. 3 and suspended sets “garland” with plain rollers and with rings Fig. 4.

Fig. 3 - Fixed sets

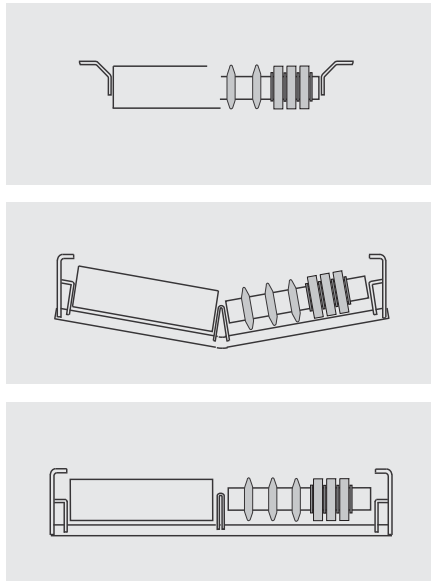


Fig. 4 - “Garland” sets

