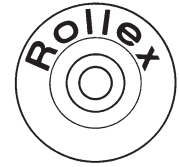


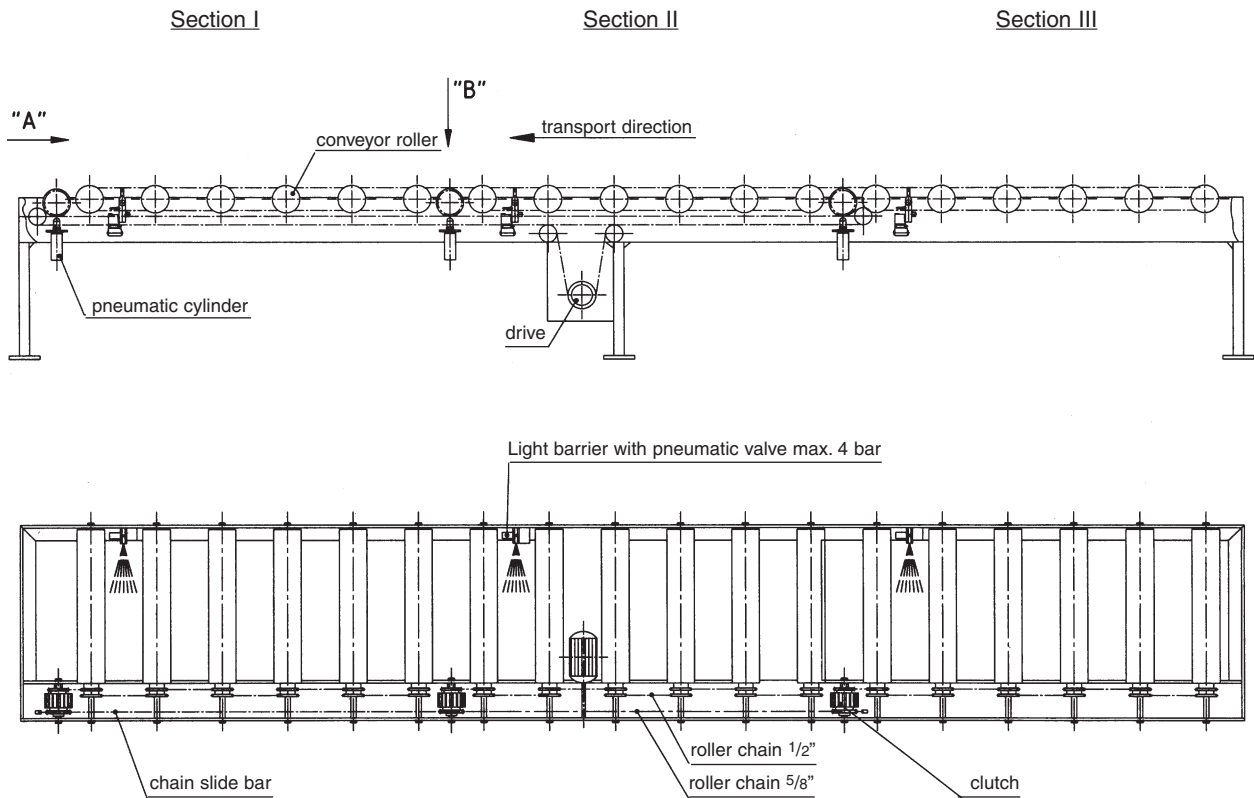
Clutch Type 530

for non-impact transport



The system is primarily driven tangentially by a single steel sprocket-wheel $\frac{5}{8} \times \frac{3}{8}$ " $z = 13$. This drives a secondary sprocket-wheel $\frac{1}{2} \times \frac{5}{16}$ " $z = 14$ which drives a section of rollers.

If goods are backed-up on the rollers, the clutch engages and the primary to secondary drive is interrupted, thus stopping the whole section.



The drive should be positioned near the station of origin.

Example:

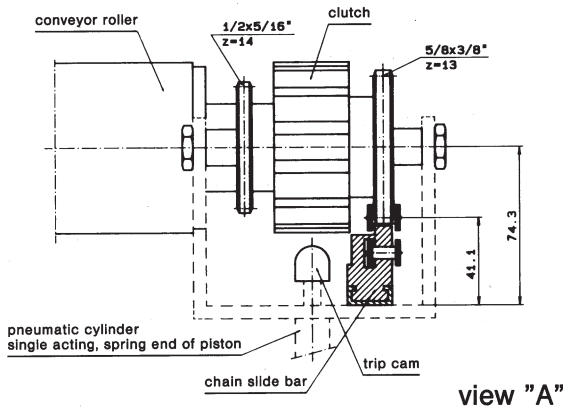
Goods are loaded on to the empty conveyor. These travel over all sections until the light barrier of section 1 is activated. The section 1 drive is thus disengaged and the section 2 control valve activated, the same process being repeated for section 3 etc.

To re-activate the system, goods may be removed from the conveyor at any stage and the backed-up goods all move forward one section. On automatic conveyors, a switch can be used with the same effect. The switch is placed so that goods can be removed from any section.



Type 530

Construction advice



The minimum weight of the loaded-goods is so low so that empty pallets can also be transported. The section-length should be laid-out according to the goods-length, plus the required gap between sections (min. 200 mm). The light barrier should be positioned according to the weight and speed of the loaded goods.

The conveyor-length is to be laid-out so that a maximum weight of 4 000 da/N will be transported. To this effect, the following factors must be considered:

- loaded-goods weight
- loaded-goods speed
- function frequency

Calculation example:

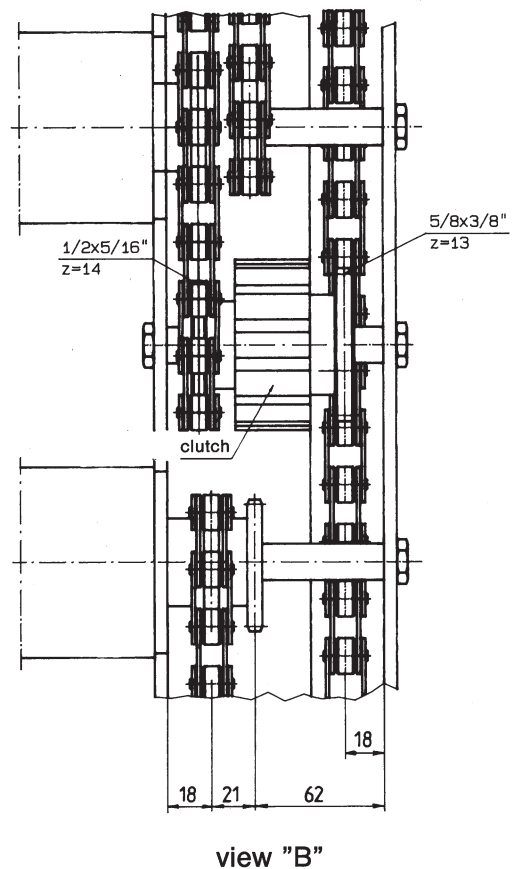
loaded-goods weight: 1000 da/N

loaded-goods speed: 12 m/min

function frequency: 2 pcs/min

Four goods (4000 da/N) may be transported at the same time. If a fifth good is placed on the conveyor after 2 minutes, the first good has travelled 24 meters, this being, in this example, the maximum conveyor-length per drive.

This calculation is only relevant to the loading on an empty conveyor, as only two goods are in movement when the backed-up capacity is reached, or when goods are removed.

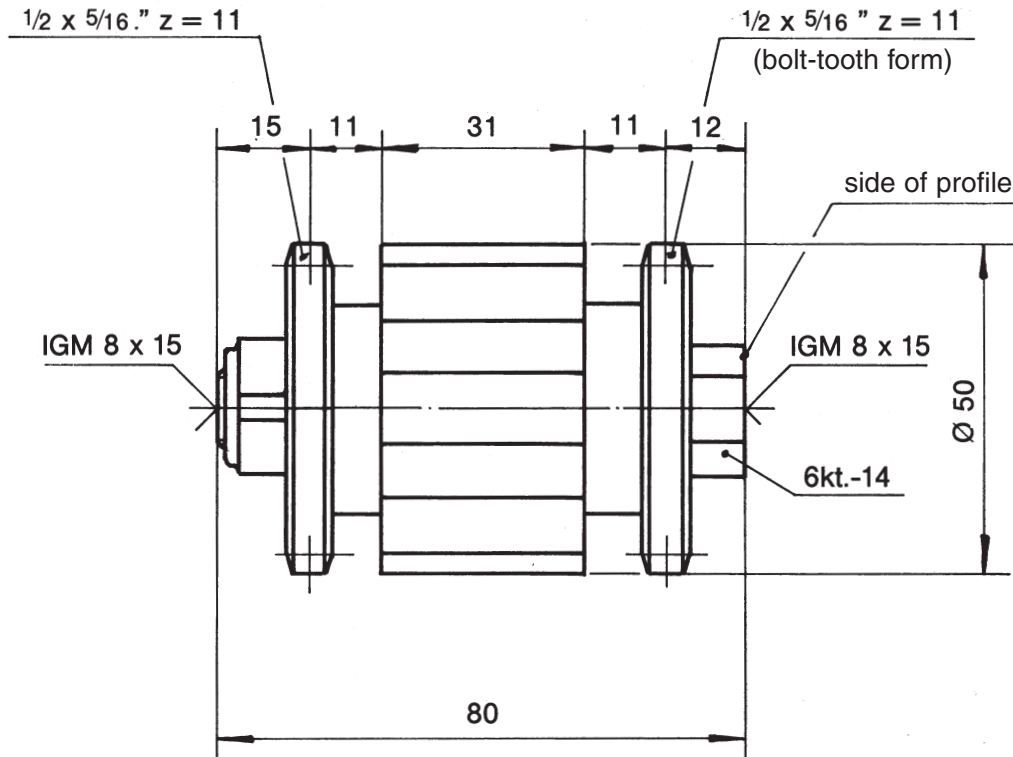
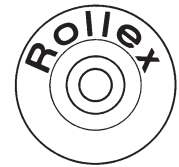


In the ROLLEX-Programme you will find the following components:

Clutch, pneumatic cylinder with trip cam, light barrier with pneumatic valve, conveyor rollers and chain slide bar with C-profile.

Clutch Type 531

for non-impact transport



The system is primarily driven tangential by chain or tooth belt and drives secondary a section of positive drive conveyor rollers by chain or tooth belt.

If the goods are backed up, the clutch engages and interrupts the power between primary and secondary drive, so stopping the whole section.

Loaded goods weight:

1 - 120 daN (depends on the drive)

Loaded goods speed:

max. 0,6 m/sec. (depends on drive and loaded goods weight)

Clutch types:

single $1/2" \times 5/16"$ z 11 - single $1/2" \times 5/16"$ z 11

single $1/2" \times 5/16"$ z 14 - single $1/2" \times 5/16"$ z 14

double $1/2" \times 5/16"$ z 14 - single $1/2" \times 5/16"$ z 14

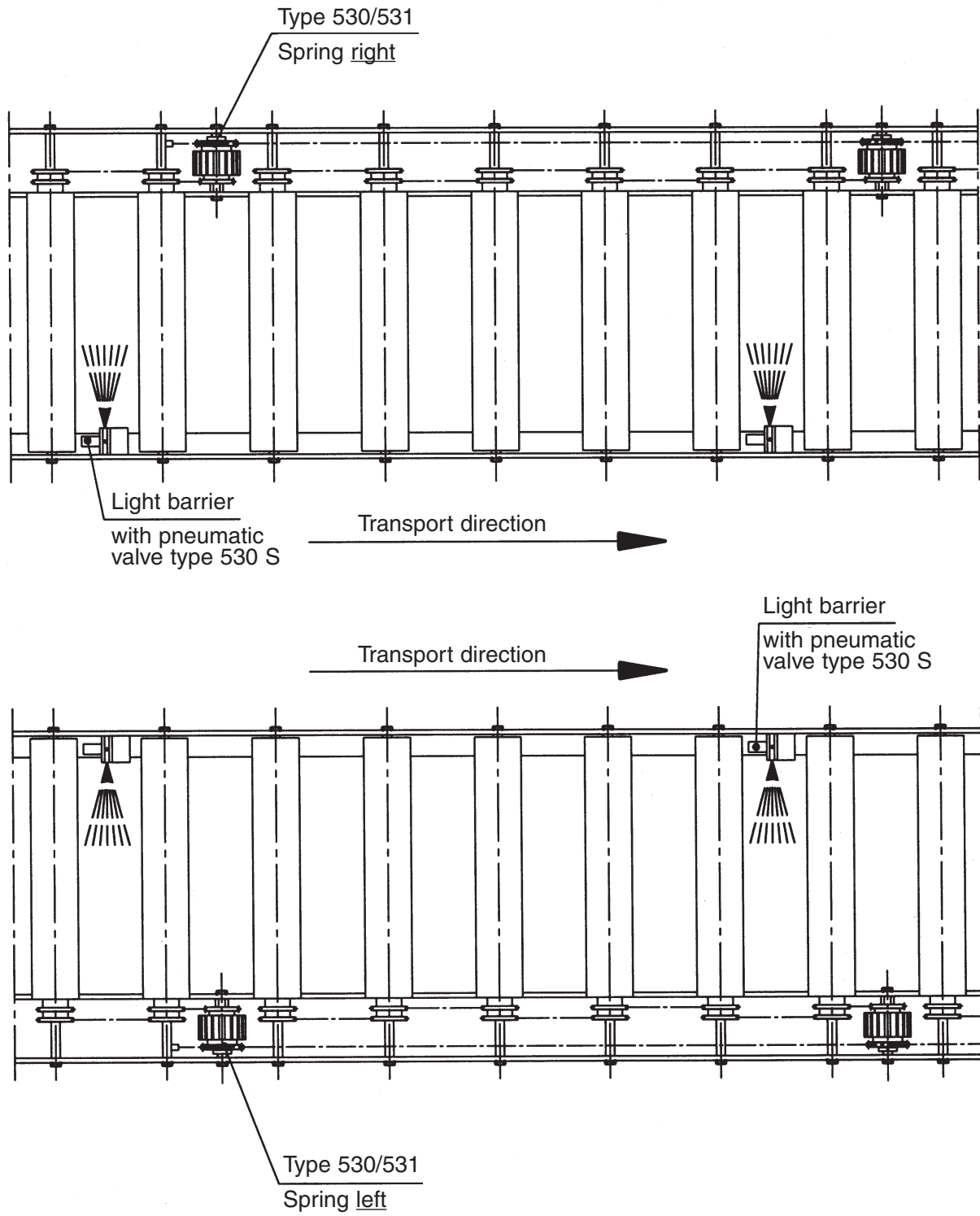
double tooth-belt 8 M z 20 - single tooth-belt M 8 z 20

This will be made by the goods that meets a light barrier with pneumatic valve and so engages the Pneumatic Cylinder.



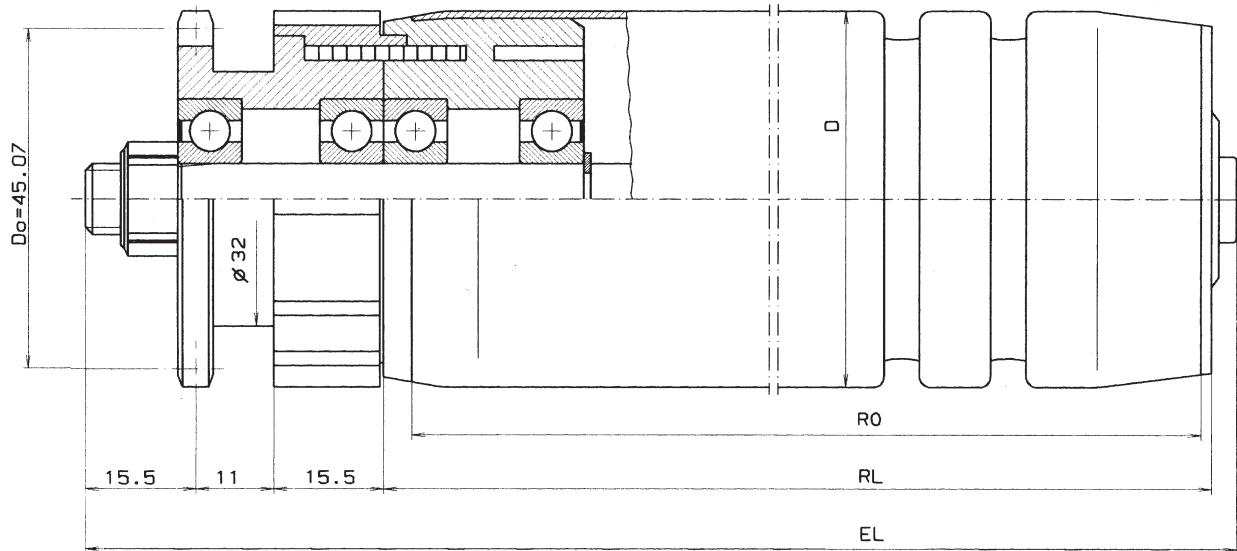
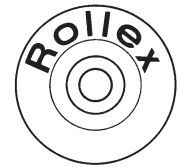
Type 530/531

Construction advice



Conveyor Roller Type 535

with clutch for non-impact transport
Tube Ø 50



The conveyor roller type 535 is driven tangential with a plastic-single chain wheel 1/2" x 5/16" z 11. This drives a section of rollers by belt, chain or tooth-belt.

If the goods are back-up the drive will be interrupted and the section stopped. This will be made by the goods, passing a light-barrier with pneumatic-valve actuating the pneumatic cylinder.

Loaded goods weight:
0,1 - 60 daN (depends on the drive)

Loaded goods speed:
max. 0,6 m/sec. (depends on drive and loaded goods weight)



Type 535

Construction advice

