

[illegible]

# THE INNOVATIVE, MODULAR, HIGH-PERFORMANCE, ECONOMICAL CONVEYOR BELT!

INFINITY is a belt conveyor with modular structures, available both in 6 and 12 meters modules and as assembly kits, for reduced transport costs. All the parameters used in the ordinary design of conveyor belts have been questioned: construction technique, type of components, belt speed, inclination of the idler holder.

Modular structures are fixed with self-locking bolts, assembled with unified components and mass produced using industrial processes. The resistant section of the truss has been increased without increasing its costs and in compliance with CNR-UNI 10011/88 standards for wind loads, snow, accidental causes and seismic risks. The insertion of the backhoe loaders inside the truss allows the space between the profiles to be used, reducing the overall dimensions of the belt. With this solution, the dual purpose of reducing the height of the conveyor belt by 30% (900 mm against 1300/1500 mm of the belts on the market) and increasing the height of the resistant section by 25% (900 mm against 500/700 mm of the other belts) has been achieved.

The belt is available in different widths: 650, 800, 1000 and 1200 mm. The supports can vary from 12 to 20 meters. The rectangular section of the truss, without protruding parts, has simplified the application of both safety guards and dust covers and other accessories.

The idler holders are self-centering, with 2 degrees of inclination in the longitudinal direction, to facilitate the alignment of the belt, the rollers form a basin at 35 degrees (against 20/30 degrees of the belts on the market), thus increasing the useful section of transport and making the sides of containment practically useless. The belt speed has been increased from 1-1.5 m/s to 2-3

m/s, reducing, at the same flow rate, the thickness of the material present on the belt with consequent lower stress on the structure and the moving parts. Having optimized the production costs for the carpentry, the savings thus obtained have been invested in the components (garmotors, bearings, supports, etc.) all high-end, supplied by leading national and

international companies. The surface treatment of the individual components, hot-dip galvanising or powder coating, guarantees safe and long-lasting protection against corrosion.

**The belt is available for carpets of widths of 650, 800, 1000 and 1200mm.**



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INFINITY



