

ROLLERS



The superior expertise and specialized know-how make ITM the excellent supplier of single and double flange bottom rollers and carrier rollers for crawler machines with operational weight of between 0.8 tons up to 800 tons. ITM designs and manufactures special version rollers for road milling machines, pavers and forestry.

Through the constant commitment of R&D in the field of the advanced research into materials and the countless checks performed on testing rigs, ITM set up new lubrication oils and bearing systems for rollers as well as innovative technological solutions for the improvement of the running-in phase, a critical phase to optimize the component's durability.

To enhance functional performance ITM uses "duo cone sealed" groups: optimized through special additives on the dynamic sealed surfaces, they maximize the component's working life and ensure efficient operation even in the most demanding working conditions and under any possible environmental situation. Different rubber materials, suitable for specific environmental requirements, are available for all common sizes' rollers.

R&D efforts are now focused on the development of new hydrodynamic bearings which, through their geometry and the research of new materials, are able to ensure superior performance with respect to traditional components.