



GD-RF 3+3

GD LARGE DIAMETERS

Self-centering chuck
with 3 + 3 jaws
for machining
of both faces
of solid wheels
on the same machine

- Sizes achievable up to \varnothing 1800 mm
- Special down-clamping jaws stroke 60 mm
- Combination feature (manual independent adjustment stroke 32 mm per jaw)
- Great clamping range of diameters
- Strong clamping force for high removal
- Clamping stroke control device

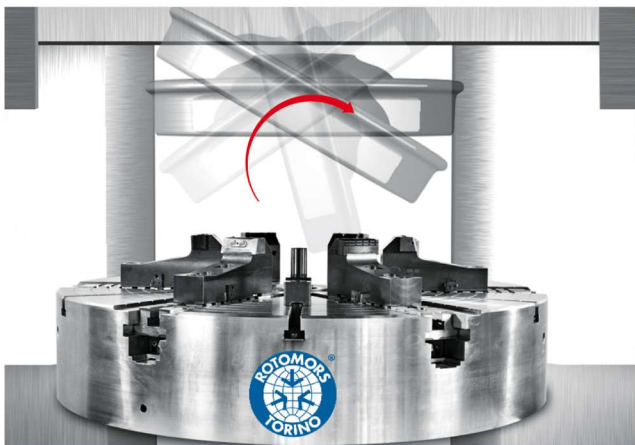
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First operation: the clamping is performed through a set of 3 down-clamping jaws



Wheel tilting



Second operation: the clamping is performed on the surface machined in the first phase through the second set of 3 down-clamping jaws

The solid wheels for high speed trains require particular features as accurate profile finishing, roundness and balancing that can be achieved only through TOTAL turning operations.

Rotomors chucks GD-RI are designed with a 6 jaw-clamping system, by 3+3 sequence.

The first phase foresees the chucking through a set of three down-clamping jaws. As second step, the chucking is performed on the surface machined during the first phase by means of a second set of three down-clamping jaws.

The strong clamping action of Rotomors chucks allows a high chips removal on both sides of the wheel, a great accuracy and the machining of a full 2-phases cycle on the SAME MACHINE, without need of storing up the parts between first and second operation.

Optional devices

This type of GD SELF-CENTERING LARGE DIAMETERS CHUCK can be arranged, on request with following devices:

- **Mechanical devices with balancing mass** to compensate centrifugal force.
- **Insert steel guides**, hardened and ground.
- **Automatic stroke electronic control** by linear Encoder.
- **Jaws quick shifting system.**
- **Electronically controlled** clamping force, total and "jaw by jaw".

On request we can study customized solutions. Non-binding data/sketches, subject to modifications or technical improvements

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