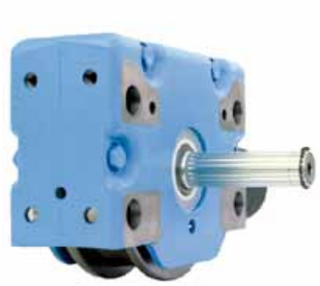
Our product line:

wheel blocks and wheel sets are produced for maintenance-free direct drive operation suitable for slip-on gear mechanisms from different manufacturers.

Crane travel wheels with slide and anti-friction bearing with and without gearing.

Drive and free-running wheel sets with shrunk shafts and with travel wheels made of highly wear-resistant materials with deep-hardened running surfaces.

Production according to DIN and works standard or according to customer drawings manufactured of forged steel, cast steel or nodular iron.



worldwide movement with wheels from karl georg

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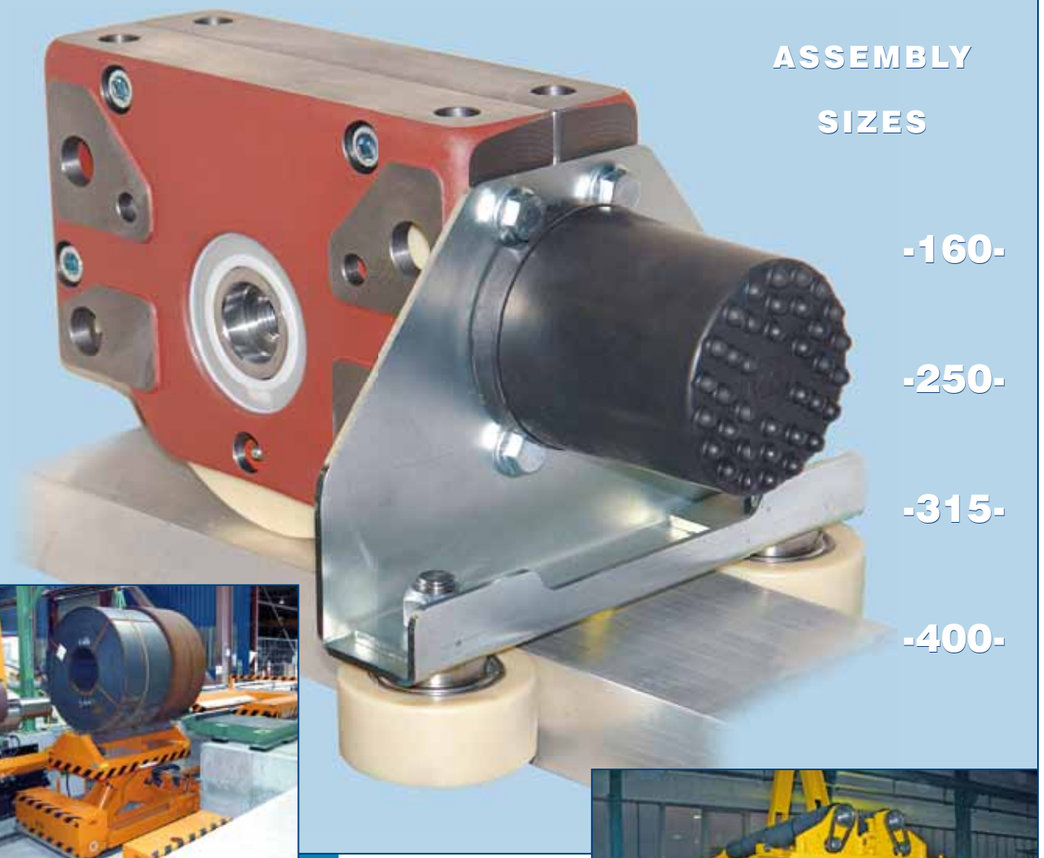
WHEEL BLOCKS BY KARL GEORG



HIGHLY RESILIENT

CONNECTION DIVERSITY

ECONOMICAL

ECOLOGICALLY FRIENDLY

UNIVERSAL APLLICATION

LONG SERVICE LIFE

EASY INSTALLATION

FULLY DEVELOPED

DESIGN

Wheel block for highest wheel loads:

RB 160 up to 6,8 to

RB 250 up to 12 to

RB 315 up to 22 to

RB 400 up to 28 to

The actual catalog-file of wheel blocks the complete DIN & TGL crane wheel program, the wheel set program and many examples of taylor-made constructions

www.karl-georg.de

WHEEL BLOCK RB

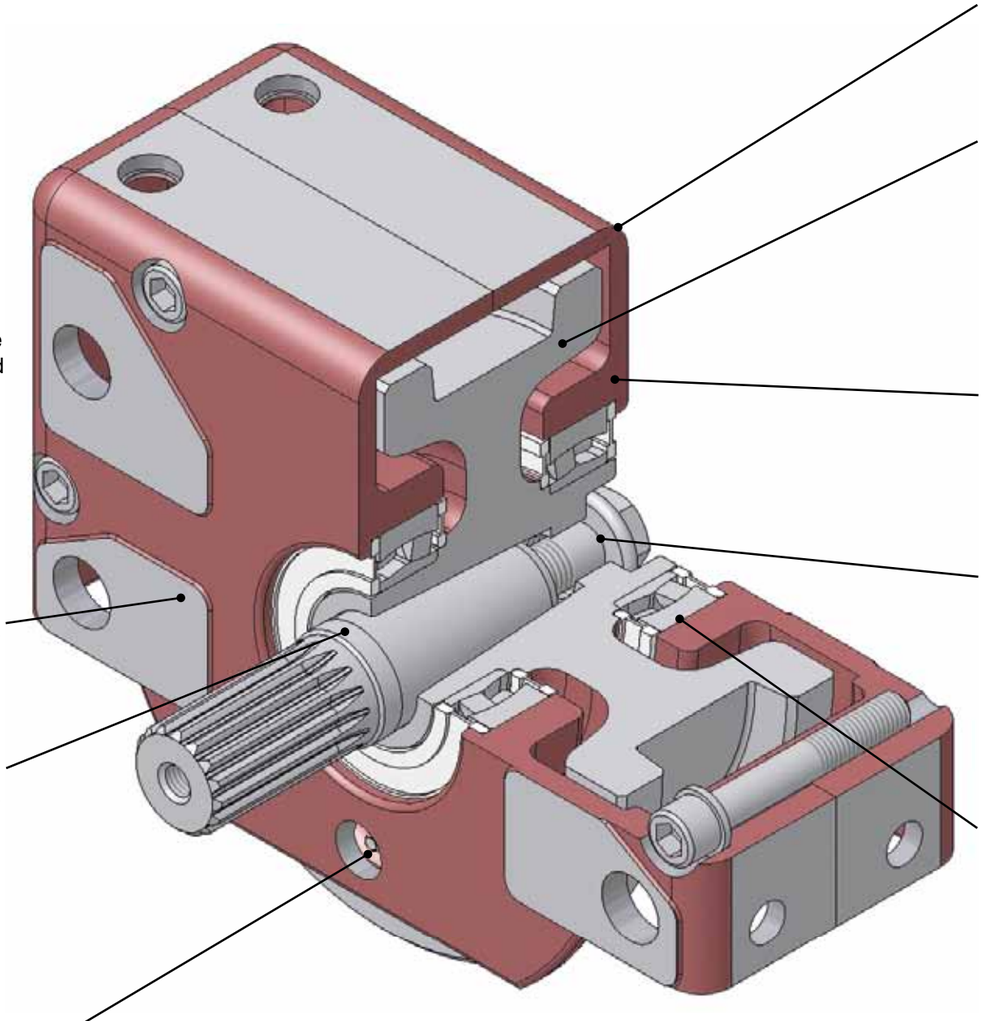
Patent No. DE 43 16 201

Reasonably priced for the original equipment manufacturer • Economical for all users

As a ready-to-install travel unit, the patented Wheel blocks from KARL GEORG take over the multi-faceted transport needs in conveyor-related systems, as well as in the entire field of machine construction.

The proved and tested Wheel blocks from KARL GEORG, as dependable and fully developed components, are not only a particularly cost-effective alternative to in-house design and production efforts in the steel or machine construction industry, but they save the user considerable maintenance and follow-up costs, as well.

Wheel blocks from KARL GEORG possess a multiple of possible applications. They fit slip-on gear mechanisms from all manufacturers and are reusable again and again while saving time and money.



All-round processed mounting surfaces, together with available bore hole fittings, offer mounting possibilities, such as head, cheek, face or bolted connection. Only a few connecting elements are required for this.

Proven torque force transfer from the drive shaft to the travel wheel via conus with tension rod.
As such, the fixed mounted and axial, non-shiftable, drive shafts provide a decisive advantage over the comparable, wear-susceptible splined-shaft connector wheel blocks from other manufacturers.
The conical connection is especially suited for transferring high torque and bending moments, as well as for taking over drive shaft loads. An additional drive motor suspension mounting is not necessary.
This proven conical connection on KARL GEORG wheel blocks is and will continue to be maintenance and wear-free

The wheel blocks have a life time lubrication for normal operating conditions. Flush mounted, series lubrication nipples make possible the simplified lubrication or connection to a central lubrication system to account for external conditions (dust, heat, moisture, etc.).

Wheel bodies and housing surfaces are blasted and undercoated. Plastic plugs protect all connection bore holes.
All outside dimensions and connection bore holes are compatible with comparable brands.

The travel wheels, made of spheroidal graphite iron EN-GJS-700-2 (GGG-70), run smoothly and securely. By means of the self-lubricating effect of the spheroidal graphite iron, friction is reduced and, correspondingly, the travel wheel and track wear, as well.
For special application requirements, models are available with hardened running surfaces, with other materials, with coating or with polyurethane (e.g. Vulkollan®) or polyamide (PA 12 G) binding.

The wheel block body is comprised of two precisely fitting, machined and bolt-joined (not weld-joined) housing halves. In this manner, the wearing part "travel wheel" can be quickly and economically replaced with commercially available tools.
The housing of EN-GJS-400-15 (GGG-40) is very highly resilient, as well as being unsusceptible to external mechanical demands and can be reused again and again

The drive shafts of 42CrMo4+QT will be delivered with splined-shaft profile in accordance with DIN 5480, with feather key groove in accordance with DIN 6885-1 or, for shrink disc connection, adaptable for slip-on gear mechanisms from all manufacturers.
Travel wheels for non-driven wheel blocks are delivered with fully massive hubs.
The central drive unit with couplings and connecting shaft is one variant for driving two wheel blocks with a slip-on gear mechanism.

The double-sided sealed spherical roller bearings are generously dimensioned and guarantee an above-average lengthy service life with the highest wheel loads in a temperature range from –30 °C to +90 °C, high-temperature models up to 200 °C.

Infoline

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KARL GEORG wheel blocks save raw materials and energy, and are reusable again and again.