LÜTGERT

ANTRIEBSELEMENTE

Fly wheels

If performance is required

www.luetgert-antriebe.de

FLY WHEELS

Manufacture of individual flywheels and flywheel discs for machines where high torques and high power development is required. The flywheel mass and moments of inertia are optimally adapted to the respective drive situation. With our optimised moulding process, we can mould all drive pulleys flexibly, quickly and without model costs and manufacture them in our own foundry. As a complete manufacturer, we machine the pulleys on state-of-the-art CNC machines.

The manufacture of individual geometries according to specifications or drawings, including bore patterns for flanges, couplings, brake discs or counterweights, is a matter of course for us. Unit weights up to 6,000 kg and geometries up to a Ø 2,500 mm are possible without any problems.

The drives are then perfectly balanced on our Schenk balancing machines. We also carry out balancing on a sub contract basis for our customers. In addition, we offer various surface coatings, including multi-layer painting build-up, painting protocol, thickness measurement and cross-cut test. Also galvanic refinements (e.g. nickel plating) are also possible.

Materials

- Standard material for peripheral speeds up to 42 m/s:
  Cast iron EN-GJL-200 to EN-GJL-300 (GG-20 to GG-30) according to DIN EN 1561

- Alternative materials possible for higher circumferential speeds:
  Spheroidal graphite iron (EN-GJS-400 to EN-GJS-800) or cast steel (GS)

- Alternative materials aluminium, steel and plastic possible

Shaft-hub connection

- Cylindrical bore with or without keyway

- Pre machined to accommodate couplings, flanges, clamping sets or TaperLock clamping bush connections

Designs

- Arm-, plate- or solid pulley

- Special design with integrated V-grooves for all belt profiles

Mechanical processing

- Balanced as standard according to DIN 21940 in quality grade G16, G6.3 or G2.5

- All surfaces are primed to prevent corrosion

- Individual surface treatment and special painting possible

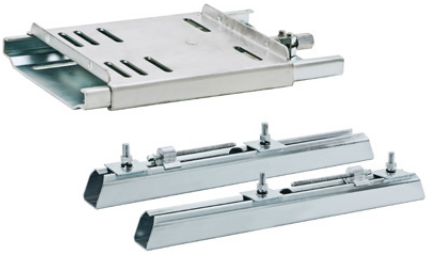
PRODUCT OVERVIEW
EXCERPT

Drive pulleys

V-belt pulleys | Flat belt pulleys | Flywheels | Grid pulleys | Timing belt pulleys | Rubberized pulleys
Split pulleys | Aluminium pulleys

Supplies for drive belts

TaperLock clamping bushes | Motor mounting systems | V-belts / Drive belts | V-belt metrology | Rubber suspension units
Oscillating mountings | Tensioner devices | Foundation blocks | Shafts and rolls



More information required?

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