

Product overview

Flat-belt pulleys

FLAT BELT PULLEYS

DIN 111

Manufacture of flat belt pulleys according to DIN 111 or individual customer specifications. 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. We supply flat belt pulleys as a standard design unbored, prebored or bored to finished size according to customer specifications and fitted with a groove and/or set screw.

Unit weights up to 6,000 kg, crown widths up to 750 mm and geometries up to a \varnothing 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 surface treatments such as finishing or rubberising the drive pulleys.

For pulley diameters of up to 630 mm, we have an extensive stock of all common diameters, including the TaperLock version of the 1008 - 5050 bushings. Special designs are possible for DIN deviations, exclusive geometries, intermediate sizes or higher peripheral speeds.

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), cast steel (GS) or steel / welded constructions
- Weight-optimised special designs made of aluminium

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
- Double arm or double solid pulley with stiffening ribs (for heavy and wide drives)
- Crowned according to DIN 111, cylindrical or with rims
- Split pulleys (for narrow installation situations)
- Special designs with conical geometry or saw band rollers

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

EXTRACT

Drive pulleys

V-belt pulleys | V-belt pulleys | Flywheels | Grid pulleys | Timing belt pulleys | Rubberized Pulleys | Split pulleys | Aluminium pulley



Supplies for drive belts

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



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