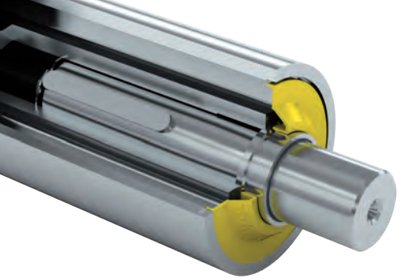

IDLER PULLEY WITHOUT BEARINGS SERIES 7000

Product Description

Characteristics

- ✓ Shrink-fit mounting of bearings on the axle journal
- ✓ Precision-machined items with steel journals and aluminium profile
- ✓ Reduced rotating mass, compared with conventional steel units

Technical Data

Shell material	Aluminium
Max. belt speed	2 m/s
Max. load capacity	Type of bearing related N
Ambient temperature	-5 to +60 °C
Shaft pin	Steel

Maximum load capacity

When ordering an idler pulley without bearings the max. load has to be calculated by the customer.

- Max. allowed tube deflection 0.7 mm
  - Ø 62.5 mm: Ix = 503,000 N/mm^4
  - Ø 79.5 mm: Ix = 1,070,000 N/mm^4
  - Ø 91 mm: Ix = 1,500,000 N/mm^4
- Allowed stress: 17.4 N/mm^2
- Lifetime calculation followed by the recommendations of the bearing manufacturer.

Product Range

Ø mm	Art. No.
62.5	MI-07160A
79.5	MI-07180A
91.0	MI-07190A

Dimensions

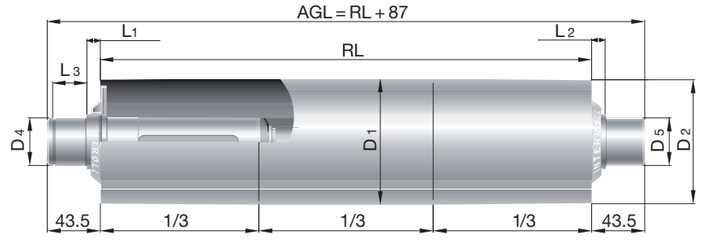

Fig.: Idler series 7000

Ø D1 mm	Ø D2 mm	IT Class mm
62.5	61.1	7
79.5	78.1	7
91.0	89.6	7

The single-side locking recess provides axial fixing of the bearing to provide for a fixed-point side.

Order information

Please indicate all other dimensions for drive journals or extensions. Please indicate the values for shaft diameter values D4 and D5 and length dimensions L1 to L3. Only when this information is provided, together with the reference number and reference length RL, is an order complete and only then can it be processed.