



Measuring gauge

for V-belts, timing belts and ribbed belts

Measuring range: 500-2,500 mm inside length (L_i)



for further information, go to: www.optibelt.com

CAP 3plus Drive calculation program

The Optibelt CAP calculation program has been used world-wide for many years for calculating and sizing belt drives. Optibelt is now introducing the next generation: CAP 3plus. The new graphics presents the drive calculation in a clearly arranged format, making drive selection quick and clear.

There are different calculation options for the user:

- power calculation for drives with V-belts, timing belts and ribbed belts
- two different calculation screens
- length calculation

The user-friendly interface in the CAP standard version makes the calculation of standard drives straightforward. The technically more sophisticated CAP Professional version offers multi-pulley drive calculations, to a high degree of detail. The calculation screen is further enhanced with product pictures and graphic representations of the drive.



Lieferprogramm Product Range



- | | | |
|--|--|--|
| <p>1 optibelt RED POWER II
Hochleistungs-Schmalkeilriemen, wartungsfrei
High performance wedge belts, maintenance free</p> <p>2 optibelt SK
Schmalkeilriemen
Wedge belts</p> <p>3 optibelt VB
Klassische Keilriemen
Classical V-belts</p> <p>4 optibelt PKR
Endlose Keilriemen mit Auflage
Endless V-belts with special top surfaces</p> <p>5 optibelt DK
Doppelkeilriemen
Double section V-belts</p> <p>6 optibelt Super X-POWER M-5
Keilriemen, flankenoffen, formgezahnt
V-belts, raw edge, moulded cogged</p> <p>7 optibelt KBX
Kraftbänder, flankenoffen
Kraftbands, raw edge</p> <p>8 optibelt KB RED POWER II
Hochleistungs-Kraftbänder
High performance kraftbands</p> <p>9 optibelt KB
Kraftbänder
Kraftbands</p> <p>10 optibelt SUPER VX
Breitkeilriemen, flankenoffen, formgezahnt
Variable speed belts, raw edge, moulded cogged</p> <p>11 optibelt SUPER DVX
Doppel-Breitkeilriemen, flankenoffen, formgezahnt
Double section variable speed belts, raw edge, moulded cogged</p> | | <p>12 optibelt ZR
Zahnriemen
Timing belts</p> <p>13 optibelt OMEGA
optibelt OMEGA linear
Zahnriemen, wartungsfrei
Timing belts, maintenance free</p> <p>14 optibelt OMEGA HL
optibelt OMEGA HP
Hochleistungs-Zahnriemen, wartungsfrei
High performance timing belts, maintenance free</p> <p>15 optibelt ALPHA
optibelt ALPHA linear/V
optibelt ALPHAflex
Zahnriemen aus Polyurethan
Polyurethane timing belts</p> <p>16 optibelt ALPHA Spezial
Zahnriemen mit Nocken und Beschichtungen
Timing belts with cleats and back coverings</p> <p>17 optibelt RB
Rippenbänder
Ribbed belts</p> <p>18 optibelt RR
Kunststoffrundriemen
Plastic round section belting</p> <p>19 optibelt KK
Kunststoffkeilriemen
Plastic V-beltting</p> <p>20 optimat DE
Endliche Keilriemen
DIN 2216, gelocht
Open-ended V-beltting, punched</p> |
|--|--|--|

optibelt KS
Keilrillenscheiben
V-grooved pulleys

optibelt ZRS
Zahnriemenscheiben
Timing belt pulleys

optibelt RBS
Rippenbandscheiben
Ribbed belt pulleys

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optibelt

optibelt TT 3

optibelt TT mini

optibelt laser pointer //

optibelt Service Box



Drive solutions with Optibelt

optibelt TT 3



Frequency tension tester for the universal measurement of the tensioning of V-belts, timing belts and ribbed belts

The Optibelt TT 3 frequency tension tester brings safety to your drives. The consistent further development of the frequency measuring technique is rendering the individual data acquisition of all belt drives possible. Readings are directly in Hertz [Hz]. Belt parameters are entered in Newton [N].

Areas of application

- General mechanical engineering
- Utility vehicle/automobile industry
- Agricultural machine engineering
- Household appliances and office equipment

Technical Data

Range of measurement	10-600 Hz
Measuring accuracy	< 100 Hz: 0.1 Hz > 100 Hz: 1.0 Hz
Input values	Belt span length ≤ 10000 mm Belt weight < 10000 g/m Static belt tension 1-60000 N
Sensor	acoustic, with electronic suppression of interfering noise
Display	LCD, 2 lines of 16 characters each
Power supply – optional –	Batteries 2 x 1.5 Vignon cells (AA) Mains adaptor 2.4 V, 1000 mAh
Temperature range	+5 °C to +70 °C
Dimensions	205 x 95 x 40 mm (without sensor)
Weight	230 g (not including batteries/mains adaptor)

Special advantages

- Optibelt database classification by product groups
- Quick and easy determination of the belt tensioning
- Non-contact measuring with repeatable accuracy
- Large measuring range from 10-600 Hz
- Display in Hertz [Hz] or Newton [N]
- High accuracy of measurement
- Adjustment with Optibelt tension recommendations
- Quality evaluation of the measuring results
- Storage of own data sets possible
- Simple operation
- Universal measuring head for comfortable measuring
- Data communication via PC including software

optibelt TECHNICAL TOOLS



optibelt TT mini
The new compact frequency tension tester – the guarantor of a long service life of your V-belts, ribbed belts and timing belts

so that the V-belts, ribbed belts and timing belts can be checked for their tension values simply and quickly.

In addition, the Optibelt TT mini offers further advantages:

- indication in Hertz [Hz]
- large measuring range from 10-600 Hz
- simple measuring with repeatable accuracy
- small, compact design (the size of a mobile phone)
- automatic switch-off function
- exact works calibration and CE certification



optibelt TT mini 5

with flexible gooseneck for trouble-free measuring at spots that are especially difficult to access.



Contents:

- 4 pieces Optikrik gauges, Types 0, I, II, III
- 1 set of V-belt and pulley groove gauges
- 1 set of ribbed belt groove gauges
- 1 measuring tape, 3 m
- 1 ballpoint pen with silver ink, packed in a sturdy plastic box



Power Transmission

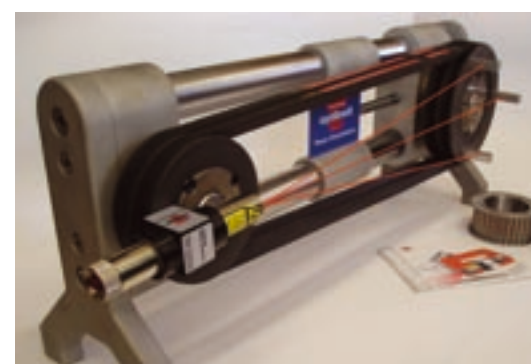
optibelt laser pointer //

The user-friendly Optibelt laser pointer is a device of proven value, especially for everyday usage.

The Optibelt laser pointer facilitates the alignment of belt drives. This device assists in identifying the three most frequent causes for drive failures:

- the axial offset of the pulleys
- the horizontal angular deviation
- the vertical angular deviation

An indispensable aid for belt drives



optibelt Service Box

... for fast help on site!

The service box from Optibelt is meant to support many application areas on site. Centre distances, belt lengths and pulley diameters can be established quickly and easily by means of the flexible measuring tape.

V-belts and pulleys can be identified quickly and effortlessly with the V-belt and pulley groove gauges. The pulley groove flanks of V-grooved pulleys can be checked for angular deviation and wear. Where necessary, marks may be made on the belts such as measurements, reference marks etc. which are clearly readable using the special ballpoint pen with silver ink.

The obligatory thumb method for setting belt tension is made redundant thanks to the Optikrik belt tension gauge.

The application and control of the belt tension with the Optikrik facilitates the maintenance work of the fitter and increases the safety of drives.

● All in all a valuable "aid" that should be included in every service box