

**Mondi Štětí a.s.**

**STANDARD**

**ST 10.02.04**

**V- BELTS**

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# STANDARD

## ST 10.02.04

### V-BELTS

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## 1 V – belts in general

- Belt types preferred : SPZ, SPA, SPB, SPC
- V- belts lengths :
- to use standard lengths only
  - length means the effective lengths /zero line/
  - all belt lengths will be submitted to be approved (Belt unification in the stock of Mondi)
- Thermal stable facture
- from ambient temperature over 70°C
  - closer than 1,5 m from radiant surface > 90°C
  - closer than 1,0 m from radiant surface > 80°C

## 2 V – belts stretchers

According to principles each belt drive must be supplied with the tensioning equipment.

- Possible options:
- tensioning slip
  - tensioning cradle
  - tensioning sledge
  - belt stretcher

Attention! If the belt stretcher is used, it is always necessary to have the tensioning from inside out.

## 3 V – belt pulleys

- to use standard dimension
- data regarding the effective diameter and belt profile
- the kinetic energy arises on the pulley from 15 m/s; power type :

V-belt pulley clamping on the shaft will be carried out with the bushing „ TAPER – LOCK“

- Countershaft are defined by :
- motors from 110 kW
  - equipments with frequency run up: from 5 run ups per hour

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#### 4 V – belt protection

- realization from perforated plate for V-belts checking by Stroboscope
- Stationary facture
- Demountable by tools
- fixing mainly on the foundation

#### 5 Material

- standard steel with paint coat according to Mondi Standard ST 16 MM0004
- for usage in wet area, material 1.4031/STN 17240/, without painting.