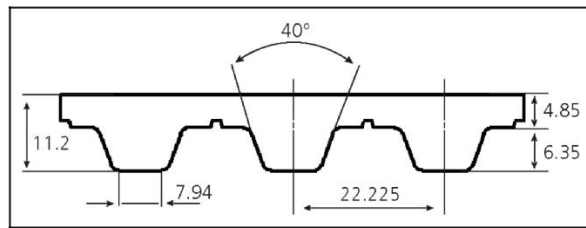


## Timing Belt data sheet PU Torque

XH steel NT, Article Code 7401501



|                                  |                            |
|----------------------------------|----------------------------|
| pitch [mm]:                      | 22.225                     |
| colour:                          | white / green              |
| tension member:                  | steel cord                 |
| material:                        | thermoplastic polyurethane |
| hardness Sh A [°]:               | 92                         |
| total thickness [mm]:            | 11.2                       |
| constant temperature range [C°]: | -10 / +80                  |
| antistatic:                      | no                         |
| FG / EEU quality:                | no                         |
| weight [kg/m²]:                  | 10.4                       |
| max. production width [mm]:      | 152.4                      |
| min. production length [mm]:     | 1900                       |
| max. production length [mm]:     | 24000                      |

### Belt characteristics

|  |         |
|--|---------|
| Tensile strength per 50 mm beltwidth         |         |
| max. allowable load F [N]:                   | 6400    |
| specific spring ratio C <sub>spez</sub> [N]: | 1750000 |
| breaking load F <sub>Br</sub> [N]:           | 26080   |

|                |             |
|----------------|-------------|
| Tolerances     |             |
| width [mm]     | +1 / -1     |
| thickness [mm] | +0.2 / -0.2 |
| length [mm/m]: | +0.5 / -0.5 |

|                          |                  |            |
|--------------------------|------------------|------------|
| Minimum pulley diameters |                  |            |
| (a) normal flexing       | (b) back flexing |            |
|                          |                  |            |
| d1 [mm]:                 | (a) 127.34       | (b) 141.48 |
| d1 number of teeth [-]:  | (a) 18           | (b) 20     |
| d2 [mm]:                 | (a) 150          | (b) 180    |

### Main features:

Torque timing belts are manufactured with truly endless cords and thermoplastic polyurethane. Having no splice or seam, they are ideal for power transmission and high load conveying and positioning applications.

### Typical applications:

General industry drive belts for use in wood, printing, paper converting and textile industries. High tension conveying and positioning applications giving longer life compared to spliced or welded belts.

### Mechanical properties:

excellent dimensional stability, maintenance free, high abrasion resistance, high efficiency, high precision positioning, low pre-tension, clean and quiet operation.

### Chemical properties:

high resistance against ozone, UV-light, ageing, oils, greases, fats, gasoline, hydrolysis. Good resistance to acids.

### Accessories:

all belts can be fitted with cleats and Vee-guides, also special cleats to your specifications.

### Specialities:

#### Nylon fabric on surface to reduce friction and noise:

NT = Nylon fabric on tooth side

#### Tension members, cords:

steel (standard), stainless steel, high performance steel (L), high flexibility steel (HF), aramid.

#### Body material:

standard material is white thermoplastic polyurethane. On request it is possible to supply antistatic and FG-quality belts.

#### Perforations and embossing:

in general possible, please consult for more information.

#### Double sided belts:

On request it is possible to supply double sided Torque- belts, please consult for more information.

#### Cover materials:

belts can be covered with various covering materials and special machining is possible according to requirements.

### Standards:

DIN 7721 T1, DIN/ISO 5296, ISO 13050 ( depending on belt type )