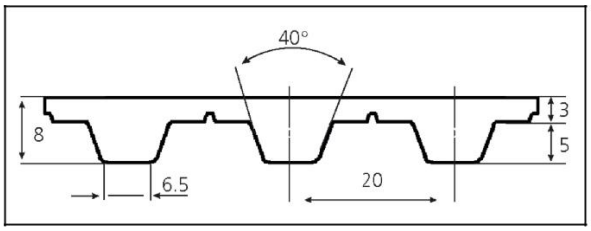
Timing Belt data sheet PU Torque

T20 steel, Article Code **7400400**



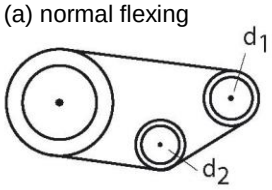
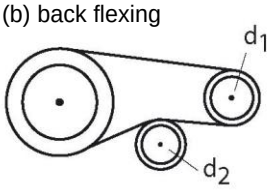
pitch [mm]:	20.0
colour:	white
tension member:	steel cord
material:	thermoplastic polyurethane
hardness Sh A [°]:	92
total thickness [mm]:	8
constant temperature range [C°]:	-10 / +80
antistatic:	no
FG /EEU quality:	no
weight [kg/m²]:	7.3
max. production width [mm]:	150
min. production length [mm]:	1500
max. production length [mm]:	24000

Belt characteristics

Tensile strength per 50 mm beltwidth	
max. allowable load F [N]:	6500
specific spring ratio C_{spez} [N]:	1760000
breaking load F_{Br} [N]:	26500

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
	

	(a)	(b)
d_1 [mm]:	(a) 92.65	(b) 156.3
d_1 number of teeth [-]:	(a) 15	(b) 25
d_2 [mm]:	(a) 120	(b) 120

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)