

## Standard



F2.5

## Belt widths b [mm] (In-between belt widths on request)

50

100

Available length and versions	F2.5	Comment
Standard lengths	rolls of 50 m and 100 m	-
Cuts / Length > 100 m (Length graduation from groove to groove (in 10 mm stages)	on request	-
In-between belt widths / other widths	on request	-
Minimum length joined	880	-
Standard material	TPUST1	further materials on request
Steel tension member	Standard	-
E tension member	available	Minimum purchase amount on request
Stainless steel cord	available	Minimum purchase amount on request
PAZ (groove side)	available	-

## Tooth shear strength (specific belt tooth load bearing)

R.p.m. n [min-1]	$F_{tspez}$ [N/cm]	R.p.m. n [min-1]	$F_{tspez}$ [N/cm]	R.p.m. n [min-1]	$F_{tspez}$ [N/cm]	R.p.m. n [min-1]	$F_{tspez}$ [N/cm]
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F2.5			Admissible tensile force of the belt $F_{adm}$ / belt weight	
belt width		b [mm]	<b>50</b>	<b>100</b>
M	E / Steel tension member	$F_{Tadm}$ [N]	11,200	22,400
	Specific elasticity (E- / Steel tension member)	$C_{spez}$ [N]	$2.80 \cdot 10^5$	$5.60 \cdot 10^5$
	Stainless steel tension member	$F_{Tadm}$ [N] $F_{Tzul}$ [N]	8,960	17,920
	Specific elasticity (stainless steel tens. m.)	$C_{spez}$ [N]	$2.80 \cdot 10^5$	$5.60 \cdot 10^5$
V	E / Steel tension member	$F_{Tadm}$ [N]	5,600	11,200
	Stainless steel tension member	$T_{adm}$ [N]	4,480	5,600
Belt weight (Standard)		[kg/m]	0.263	0.526
Belt weight (DL)		[kg/m]	-	-
Belt weight (DR)		[kg/m]	-	-
Belt weight (T)		[kg/m]	-	-

F2.5		Flexibility (Minimum number of teeth / minimum diameter)		
		Steel tension member	E / Steel tension member	Stainless steel tension member
		Standard	Standard	Standard
 $d_{min}$	Minimum diameter of tensioning roller without contraflexure ( $d_{min}$ [mm])	60	40	100
	 $d_{min}$	$d_{min}$ minimum diameter with contraflexure ( $d_{min}$ [mm])	120	70
 $d_{min}$ $d_{min Sp}$	Minimum diameter of tensioning roller with contraflexure ( $d_{min}$ [mm])	120	70	160