

Standard



F3

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


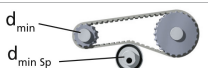
| | | | |
|----|----|----|-----|
| 30 | 50 | 75 | 100 |
|----|----|----|-----|

| Available length and versions | F3 | 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 | not available | - |
| 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] |
|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|
|------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|--------------------|

| F3 | | Admissible tensile force of the belt F_{adm} / belt weight | | | | |
|------------------------|---|--|-------------------|-------------------|-------------------|-------------------|
| belt width | | b [mm] | 30 | 50 | 75 | 100 |
| M | E / Steel tension member | F_{Tadm} [N] | 8,400 | 14,700 | 23,800 | 30,800 |
| | Specific elasticity (E- / Steel tension member) | C_{spez} [N] | $2.10 \cdot 10^6$ | $3.68 \cdot 10^6$ | $5.96 \cdot 10^6$ | $7.70 \cdot 10^6$ |
| | Stainless steel tension member | F_{Tadm} [N] F_{Tzul} [N] | 6,720 | 11,760 | 19,040 | 24,640 |
| | Specific elasticity (stainless steel tens. m.) | C_{spez} [N] | $2.10 \cdot 10^6$ | $3.68 \cdot 10^6$ | $5.96 \cdot 10^6$ | $7.70 \cdot 10^6$ |
| V | E / Steel tension member | F_{Tadm} [N] | 4,200 | 7,350 | 11,900 | 15,400 |
| | Stainless steel tension member | T_{adm} [N] | 3,360 | 5,880 | 9,520 | 12,320 |
| Belt weight (Standard) | | [kg/m] | 0.197 | 0.343 | 0.518 | 0.686 |
| Belt weight (DL) | | [kg/m] | - | - | - | - |
| Belt weight (DR) | | [kg/m] | - | - | - | - |
| Belt weight (T) | | [kg/m] | - | - | - | - |

| F3 | | Flexibility (Minimum number of teeth / minimum diameter) | | |
|--|---|--|--------------------------|--------------------------------|
| | | Steel tension member | E / Steel tension member | Stainless steel tension member |
| | | Standard | Standard | Standard |
|  | Minimum diameter of tensioning roller without contraflexure (d_{min} [mm]) | 120 | - | 180 |
| | d_{min} minimum diameter with contraflexure (d_{min} [mm]) | 150 | - | 300 |
|  | Minimum diameter of tensioning roller with contraflexure (d_{min} [mm]) | 150 | - | 300 |