Technical Data Sheet
optibelt ALPHA LINEAR FL3 - ST
PU Flat Belt, Optionally with Fabric PAZ, Open-Ended
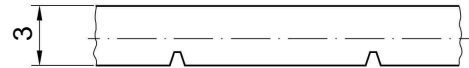
Dimensions, Tolerances

Profile:	F3
Total thickness:	3.0 mm
Width tolerance:	±0.5 mm
Thickness tolerance:	±0.2 mm

Construction

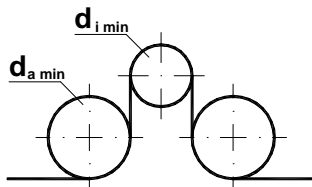|	
Polyurethane:	Thermoplastic, 92 Shore A, white
Tension cord:	Steel, Ø 1.6 mm
Fabric, optional:	Polyamide, tooth side (PAZ), green

Cord tensile force, minimum belt length, belt weight

Belt width [1] b [mm]	25	30	40	50	75	100
F_{Br} [N], ALPHA LINEAR	28800	35200	48000	64000	99200	137600
F_{zul} [N] [2], ALPHA LINEAR, $\varepsilon_{zul}=0.65\%$	7200	8800	12000	16000	24800	34400
Weight per meter [kg/m]	0.180	0.216	0.288	0.360	0.540	0.720

[1] Smaller and intermediate widths possible   [2] Allowable tensile force F_{zul} = 25 % (ALPHA LINEAR) of cord breaking strength F_{Br} $c_{spez} = F_{zul} / \varepsilon_{zul}$

Inside and outside idlers

Minimum diameter of a plane inside idler: $d_{i\,min}$ = 120 mm

Minimum diameter of a plane outside idler: $d_{a\,min}$ = 180 mm