

Technical Data Sheet

optibelt ALPHA LINEAR / V F2 - ST

PU Flat Belt, Optionally with Fabric PAZ,
Open-Ended / Endless Joined

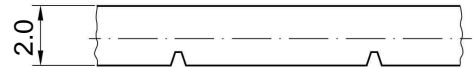


Dimensions, Tolerances

Profile:	F2
Total thickness:	2.0 mm
Width tolerance:	±0.5 mm
Thickness tolerance:	±0.2 mm

Construction

Polyurethane:	Thermoplastic, 92 Shore A, black
Tension cord:	Steel, Ø 0.9 mm
Fabric, optional:	Polyamide, tooth side (PAZ), black

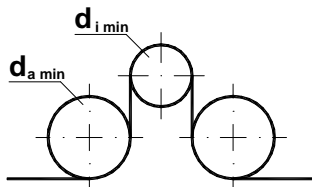


Cord tensile force, minimum belt length, belt weight

Belt width ¹ b [mm]	15	25	30	40	50	75	100
F_{Br} [N], ALPHA LINEAR	6640	12320	16120	21840	28480	43680	60800
F_{zul} [N] ² , ALPHA LINEAR, $\epsilon_{zul}=0.55\%$	1660	3080	4030	5460	7120	10920	15200
F_{zul} [N] ² , ALPHA V	830	1540	2015	2730	3560	5460	7600
Minimum length ALPHA V [mm]	-	700	-	-	900	900	900
Weight per meter [kg/m]	0.059	0.098	0.117	0.156	0.195	0.293	0.390

¹ Smaller and intermediate widths possible ² Allowable tensile force $F_{zul} = 25\% / 12.5\%$ (ALPHA LINEAR / V) of cord breaking strength F_{Br} $C_{spez} = F_{zul} / \epsilon_{zul}$

Inside and outside idlers



Minimum diameter of a plane inside idler: $d_{i \min} = 50 \text{ mm}$

Minimum diameter of a plane outside idler: $d_{a \min} = 90 \text{ mm}$