

Technical Data Sheet

optibelt ALPHA LINEAR / V F2 - HF

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, white
Tension cord:	Steel, high flexible Ø 0.9 mm
Fabric, optional:	Polyamide, tooth side (PAZ), green

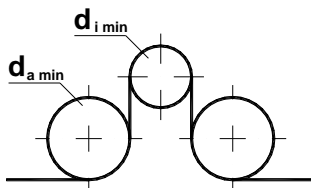


Cord tensile force, minimum belt length, belt weight

Belt width ¹ b [mm]	15	25	30	40	50	75	100
F_{Br} [N], ALPHA LINEAR	6.040	11.240	14.680	17.280	28.520	43.240	57.960
F_{zul} [N] ² , ALPHA LINEAR, $\epsilon_{zul}=0.55\%$	1.510	2.810	3.670	4.320	7.130	10.810	14.490
F_{zul} [N] ² , ALPHA V	755	1.405	1.835	2.160	3.565	5.405	7.245
Minimum length ALPHA V [mm]	-	-	700	-	900	900	900
Weight per meter [kg/m]	0,041	0,083	0,103	0,124	0,207	0,310	0,413

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: $d_{i \min} = 42 \text{ mm}$

Minimum diameter of a plane outside idler: $d_{a \min} = 75 \text{ mm}$