Technical Data Sheet
optibelt ALPHA LINEAR / V F2 - AR
PU Flat Belt, Optionally with Fabric PAZ, Open-Ended / Endless Joined
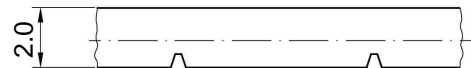
Dimensions, Tolerances

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

Construction

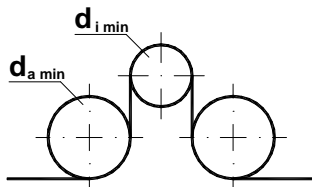|	
Polyurethane:	Thermoplastic, 92 Shore A, white
Tension cord:	Aramid, Ø 1.0 mm
Fabric, optional:	Polyamide, tooth side (PAZ), green

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	7000	14000	17000	23000	30000	46000	63000
F_{zul} [N] [2], ALPHA LINEAR	1400	2800	3400	4600	6000	9200	12600
F_{zul} [N] [2], ALPHA V	700	1400	1700	2300	3000	4600	6300
Minimum length ALPHA V [mm]	-	700	-	-	900	900	900
Weight per meter [kg/m]	0.036	0.060	0.072	0.096	0.120	0.180	0.240

[1] Smaller and intermediate widths possible   [2] Allowable tensile force F_{zul} = 20% / 10% (ALPHA LINEAR / V) of cord breaking strength F_{Br}

Inside and outside idlers

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

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