

Technical Data Sheet

optibelt ALPHA LINEAR F4.5 - ST

PU Flat Belt, Optionally with Fabric PAR, Open-Ended

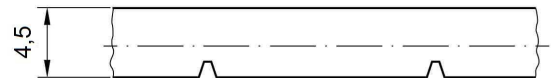


Dimensions, Tolerances

Profile:	F4.5
Total thickness:	4.5 mm
Width tolerance:	±0.5 mm
Thickness tolerance:	±0.3 mm

Construction

Polyurethane:	Thermoplastic, 92 Shore A, white
Tension cord:	Steel, Ø 2.5 mm
Fabric, optional:	Polyamide, back (PAR), green

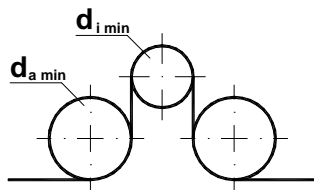


Cord tensile force, minimum belt length, belt weight

Belt width ¹ b [mm]	30	40	50	60	85	100
F _{Br} [N], ALPHA LINEAR	49000	70000	91000	112000	161000	196000
F _{zul} [N] ² , ALPHA LINEAR	12250	17500	22750	28000	40250	49000
Weight per metre [kg/m]	0.342	0.456	0.570	0.684	0.969	1.140

¹ Smaller and intermediate widths possible ² Allowable tensile force F_{zul} = 25 % (ALPHA LINEAR) of cord breaking strength F_{Br}

Inside and outside idlers



Minimum diameter of a plane inside idler : $d_{i \min} = 180 \text{ mm}$

Minimum diameter of a plane outside idler : $d_{a \min} = 225 \text{ mm}$