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

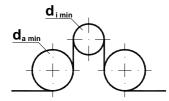


Cord tensile force, minimum belt length, belt weight

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 $F_{zu} = 25\%$ (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: $d_{a min} = 225 mm$

We would be pleased to offer advice about technical characteristics and drive design as well as special requirements. Further information can be found in OPTIBELT documentation. © OPTIBELT GmbH 11/2017. Subject to technical modification and change, errors and omissions excepted.