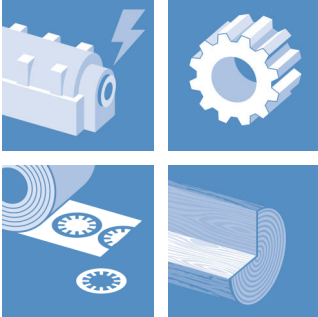


Product Data Sheet

LT 54P



Applications

Energy Production	Generator power transmission belt
Paper Manufacturing	Taper-cone power transmission belt
Press shops	Car body presses
Steel / Recycling	Power transmission belt for rolling mills
Wood Based Panel Industry	Gang saw power transmission belt; Wood processing machines
Yarn	Taper-cone power transmission belt
Application Group	Power Transmission Belts

Order information

Article number	800013
Standard delivery width	510 mm / 20.08 in
Maximal delivery width (without longitudinal seam) on request	1000 mm / 39.37 in

Construction

Article number	800013
Surface material top face	Polyamide fabric
Surface pattern	Fabric
Color	Black
Surface material underside	Chrome leather
Surface pattern	Leather
Color	Grey
Tension member material	Polyamide sheet, highly-orientated

LT 54P

Technical data

Total thickness	5.5 mm ± 0.5 0.217 in ± 0.02
Weight	5.5 kg/m ² 1.126 lbs/ft ²
Fw' at 1 % elongation at fitting	54 N/mm / 308.35 lbf/in
Relaxed specific shaft load at 1 % elongation at fitting and 180° arc of contact in N/mm belt width.	
k1% value relaxed	27 N/mm / 154.17 lbf/in
Elongation at break longitudinal	14 %
Nominal effective pull (Fu',Nenn)	54 N/mm
Recommended Elongation at fitting min.	1.5 %
Recommended Elongation at fitting max.	3 %
Friction coefficient of top face against steel panel according to internal test instruction	0.3
Friction coefficient of underside against steel panel according to internal test instruction	0.4
Permissible operating temperature	-40/80 °C, for a short time 100 °C -40/176 °F, for a short time 212 °F

Properties

Troughable	No
Cut resistant	Yes
Not susceptible to shocks	Yes
High edge stability	Yes

Electrostatic properties

Antistatic	Belt material with an electrically conductive antistatic agent. Volume resistance (RDi) in longitudinal direction parallel to plane of belt < 3 x 10 ⁸ Ω. Measurement according DIN EN ISO 21178.
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LT 54P

Fabrication

Belt edge sealing	No
Profiles on top face	On request
Profiles on underside	No

Minimum drum diameter

Mechanical fasteners

Wedge overlap splice, counter-bending	300 mm / 11.8 in
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Remarks

- ▶ Storage at standard climatic conditions (23°C / 50% humidity) recommended. Changes in dimensions possible when conditions do not apply.
- ▶ LL and LT articles are impervious to machine oils, grease, diesel fuels, petrol, benzene, commercially available solvents such as ethyl acetate, acetone, etc.; chlorinated hydrocarbons such as perchloroethylene, etc. Siegling Extremultus is not resistant to organic and inorganic acids.

Chemical resistance	A
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The physical data in this data sheet is approximate, can alter depending on production environments. The belts should be stored under normal ambient conditions climate (23 °C, 50 % humidity) as per DIN EN ISO 291. Fluctuations in climate can cause variations. See our brochure "Compendium Flat Belts" no. 333 which shows the types of belts that can be supplied and the manufacturing tolerances. Customised types require written confirmation.

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