

Title (en)
Draft roller

Title (de)
Streckwerkwalze

Title (fr)
Cylindre d'étirage

Publication
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Application
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Abstract (en)
[origin: EP2072647A2] Irrespective of the material (yarn type) of a sliver to be processed, a generation of the cyclic unevenness caused by a groove pitch of a draft roller and an accumulation of foreign materials in the grooves during drafting process can be prevented. A draft roller according to the present invention is provided in a draft device of a spinning machine and has groove parts (29) formed on a roller surface (28) of the draft roller and having an inclination relative to an axial direction of the draft roller, wherein given that a diameter of the draft roller is R, the number of the groove parts is N, an inclination relative to the axial direction of the groove parts is γ , a fiber width of a sliver processed by the draft device is D and a circular constant is Δ , the draft roller satisfies a relationship $\Delta R/N < D \tan \gamma$.

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