

Title (en)

CASSETTE FOR AT LEAST ONE WORKING ROLLER IN A ROLL STAND

Title (de)

KASSETTE FÜR ZUMINDEST EINE ARBEITSWALZE IN EINEM WALZGERÜST

Title (fr)

BOÎTIER POUR AU MOINS UN ROULEAU DE TRAVAIL DANS UNE CAGE DE LAMINAGE

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Application

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Abstract (en)

[origin: WO2022242933A1] The invention relates to a cassette (100) for at least one working roller (10) in a roll stand (50) for rolling material to be rolled, in particular a metal strip, comprising; a cassette main body (110) with an elongated recess (122) bordered by two opposing short sides and two opposing long sides, wherein the working roller can be rotatably mounted on the short sides; at least one supporting shell (120); at least one supporting bridge (130) mounted in the cassette main body as a carrier for the supporting shell (120); and at least one adjustment mechanism (140) for the articulated linking of the supporting bridge to one of the long sides of the cassette main body and for adjusting the supporting shell with a horizontal adjusting force against the surface of the working roller. According to the invention, in order to effectively prevent a horizontal deflection of the slimline working rollers even in the presence of high rolling forces, the flexural rigidity of the supporting bridge (130) is greater than the flexural rigidity of the adjustment mechanism (140) in combination with the long side of the cassette main body (110) receiving the adjustment mechanism.

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