

Title (en)
LINEAR GUIDE

Title (de)
LINEARFÜHRUNG ZUM ÜBERTRAGEN VON DREHMOMENTEN

Title (fr)
DISPOSITIF DE GUIDAGE LINEAIRE POUR LA TRANSMISSION DE COUPLES

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Application
EP 02712841 A 20020124

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Abstract (en)
[origin: WO02064989A1] The invention relates to a linear guide for transmitting torque between a tubular housing (2) that can be rotated about its longitudinal axis and a shaft (1) that is mounted in said housing so that it can be displaced axially by means of rolling bodies. Several axial anti-friction bearings (3) that surround the shaft (1), each having two bearing races or discs, with a set of rolling bodies therebetween, are arranged in the tubular housing (2) in the vicinity of a radial bearing plane. One bearing disc of the anti-friction bearings forms a bushing and is retained in the housing (2), the central axis of said bushing being offset in parallel by a certain distance (a) from the perpendicular of the longitudinal axis of the shaft and the other bearing disc of the anti-friction bearings (3) is dome-shaped, its convex dome surface being supported by a surface region of the shaft (1).

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