

Title (en)

DRIVE SHAFT SET FOR GATES HAVING A DRIVE SHAFT AND/OR TORSION SPRING SHAFT

Title (de)

TORWELLENANTRIEBSAGGREGAT FÜR TORE MIT EINER ANTRIEBS- UND/ODER TORSIONSFEDER-WELLE

Title (fr)

ENSEMBLE D'ENTRAÎNEMENT D'ARBRE POUR PORTES COMPORTANT UN ARBRE A BARRE DE TORSION ET/OU UN ARBRE D'ENTRAÎNEMENT

Publication

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Application

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Abstract (en)

[origin: WO9918318A1] The invention relates to a drive shaft set for an overhead gate having a transmission output (28) which can be coupled to the shaft (6) connected to the gate leaf (6). This transmission output is connected to the motor output shaft (9) via a multi-stage transmission (2, 3, 4, 5) comprising a worm gear stage (4, 5). In order to enable compact connection to one of the ends of the gate leaf shaft, the inventive drive shaft set is configured in such a way that a first spur cut transmission gear (2), in the direction of output force, is placed coaxially to the worm gear (4) of the worm gear stage (4, 5). This transmission gear (2) engages with a second output-end transmission gear (3), to which the gate leaf shaft (6) can be coaxially coupled. The whole transmission (2, 3, 4, 5) is stored in a transmission case (1) which, in the region of both engaging spur cut transmission gears (2), is configured as compactly as possible, so as not to occupy more space than is required by the output-sided spur cut transmission gear (2), and to form a transmission case wall (11) on width side.

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