

TEMPORARY REVISION
TR-MÄM-20-249
Grass Runways

This Temporary Revision TR-MÄM-20-249 is approved in conjunction with the Mandatory Design Change Advisory MÄM 20-249.

The limitations and information contained herein either supplement or, in the case of conflict, override those in the Airplane Flight Manual.

AFFECTED CHAPTERS:**5.3.6. Figure 5.6: Take-off Distance**

The NOTE is amended as follows:

NOTE

Poor maintenance condition of the airplane, deviation from the given procedures as well as unfavorable outside conditions (high temperature, rain, unfavorable wind conditions, including cross-wind) could increase the take-off distance.

For take-off from dry, short-cut grass covered runways, the following corrections must be taken into account, compared to paved runways:

- * grass up to 5 cm (2 in) deep: 10 % increase in take-off roll distance;
- * grass 5 to 10 cm (2 to 4 in) deep: 15 % increase in take-off roll distance;
- * grass deeper than 10 cm (4 in): 25 % increase in take-off roll distance.

On wet soft grass covered runways with grass deeper than 10 cm (4 in), the take-off roll distance might be increased by as much as 40 %.

The above percentages are conservative.

The dashed lines in the above diagram (wind component) represent tailwind.

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5.3.12. Landing Distance

The NOTE is amended as follows:

NOTE

Poor maintenance condition of the airplane, deviation from the given procedures as well as unfavorable outside conditions (high temperature, rain, unfavorable wind conditions, including cross-wind) could increase the landing distance.

For landings on dry, short-cut grass covered runways, the following corrections must be taken into account, compared to paved runways:

- * grass up to 5 cm (2 in) deep: 5 % increase in landing roll distance;
- * grass 5 to 10 cm (2 to 4 in) deep: 15 % increase in landing roll distance;
- * grass deeper than 10 cm (4 in): 25 % increase in landing roll distance.

On wet soft grass covered runways with grass deeper than 10 cm (4 in), the landing roll distance might be increased by as much as 40 %.

The above percentages are conservative.

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