

## SR22 Pilot's Operating Handbook Temporary Change

Affected Manual: SR22 POH (P/N 13772-001)  
Serials Affected: Serials 0002 thru 2333, 2335 thru 2419, 2421 thru 2437, and 2439 and subsequent

Filing Instructions: Insert this temporary change adjacent to page 5-35 in the SR22 POH and retain until further notice.

Purpose: Revise Landing Distances.

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### Landing Distance

- See following pages -

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## Landing Distance

**Conditions:**

- Winds..... Zero
- Runway..... Dry, Level, Paved
- Flaps..... 100%
- Power..... 3° Power Approach  
to 50 FT obstacle,  
then smooth reduction  
to IDLE

**Example:**

- Outside Air Temp ..... 10°C
- Weight..... 3400 LB
- Pressure Altitude..... 2000 FT
- Headwind ..... Zero

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- Obstacle Speed ( $V_{REF}$ )..... 77 KIAS
- Landing Ground Roll..... 1206 FT
- Dist. over 50' Obstacle ..... 2436 FT

**Factors:**

The following factors are to be applied to the computed landing distance for the noted condition:

- Headwind - Subtract 10% from table distances for each 13 knots headwind.
- Tailwind - Add 10% to table distances for each 2 knots tailwind up to 10 knots.
- Grass Runway, Dry - Add 20% to ground roll distance.
- Grass Runway, Wet - Add 60% to ground roll distance.
- Sloped Runway - Increase table distances by 27% of the ground roll distance for each 1% of downslope. Decrease table distances by 9% of the ground roll distance for each 1% of upslope.

**• Caution •**

The above corrections for runway slope are required to be included herein. These corrections should be used with caution since published runway slope data is usually the net slope from one end of the runway to the other. Many runways will have portions of their length at greater or lesser slopes than the published slope, lengthening (or shortening) landing ground roll estimated from the table.

- For operation in outside air temperatures colder than this table provides, use coldest data shown
- For operation in outside air temperatures warmer than this table provides, use extreme caution.

# Landing Distance

<p><b>WEIGHT = 3400 LB</b>  <b>Speed over 50 Ft Obstacle = 77 KIAS</b>                  Flaps - 100% · Idle · Dry, Level Paved Surface</p>	<p><b>Headwind:</b> Subtract 10% for each 13 knots headwind.  <b>Tailwind:</b> Add 10% for each 2 knots tailwind up to 10 knots.  <b>Runway Slope:</b> Ref. Factors.  <b>Dry Grass:</b> Add 20% to Ground Roll  <b>Wet Grass:</b> Add 60% to Ground Roll</p>
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PRESS ALT FT	DISTANCE FT	TEMPERATURE ~ °C					ISA
		0	10	20	30	40	
<b>SL</b>	<b>Grnd Roll</b>	1082	1121	1161	1200	1240	1141
	<b>Total</b>	2262	2316	2372	2428	2485	2344
<b>1000</b>	<b>Grnd Roll</b>	1122	1163	1204	1245	1286	1175
	<b>Total</b>	2317	2374	2433	2492	2551	2391
<b>2000</b>	<b>Grnd Roll</b>	1163	1206	1248	1291	1334	1210
	<b>Total</b>	2375	2436	2497	2559	2621	2441
<b>3000</b>	<b>Grnd Roll</b>	1207	1251	1295	1339	1384	1247
	<b>Total</b>	2437	2501	2565	2630	2696	2493
<b>4000</b>	<b>Grnd Roll</b>	1252	1298	1344	1390	1436	1285
	<b>Total</b>	2503	2569	2637	2705	2774	2548
<b>5000</b>	<b>Grnd Roll</b>	1300	1348	1395	1443	1490	1324
	<b>Total</b>	2572	2642	2713	2785	2857	2605
<b>6000</b>	<b>Grnd Roll</b>	1350	1399	1449	1498	1547	1365
	<b>Total</b>	2645	2719	2794	2869	2945	2665
<b>7000</b>	<b>Grnd Roll</b>	1402	1453	1504	1556	1607	1408
	<b>Total</b>	2723	2800	2879	2958	3038	2728
<b>8000</b>	<b>Grnd Roll</b>	1456	1509	1563	1616	1669	1452
	<b>Total</b>	2805	2887	2969	3052	3136	2794
<b>9000</b>	<b>Grnd Roll</b>	1513	1569	1624	1679	1735	1497
	<b>Total</b>	2892	2978	3064	3152	3240	2863
<b>10000</b>	<b>Grnd Roll</b>	1573	1630	1688	1746	1803	1545
	<b>Total</b>	2984	3074	3165	3257	3350	2936