

## Take off and Landing roll factors

TAKE-OFF			LANDING	
CONDITION	INCREASE IN TAKE-OFF DISTANCE TO HEIGHT 50 FEET	FACTOR	INCREASE IN LANDING DISTANCE FROM 50 FEET	FACTOR
A 10% increase in aeroplane weight, e.g. another passenger	20%	1.20	10%	1.10
An increase of 1,000 ft in aerodrome elevation	10%	1.10	5%	1.05
An increase of 10°C in ambient temperature	10%	1.10	5%	1.05
Dry grass - Up to 20 cm (8 in) (on firm soil)	20%	1.20	15% <sup>+</sup>	1.15
Wet grass - Up to 20 cm (8 in) (on firm soil)	30%	1.3	35%	1.35
Wet paved surface	-	-	15%	1.15
A 2% slope	Uphill 10%	1.10	Downhill 10%	1.10
A tailwind component of 10% of lift-off speed	20%	1.20	20%	1.20
Soft ground or snow*	25% or more	1.25 +	25% <sup>+</sup> or more	1.25 +

Listening Squawks	Channel	Squawk	Emergency Squawk	
Doncaster	126.225	6170		
Manchester	118.575	7366	HIJACK	7500
Birmingham	118.050	0010	RADIO FAILURE	7600
Luton	129.55	0013	GENERAL EMERGENCY	7700
Stanstead	120.625	0013		