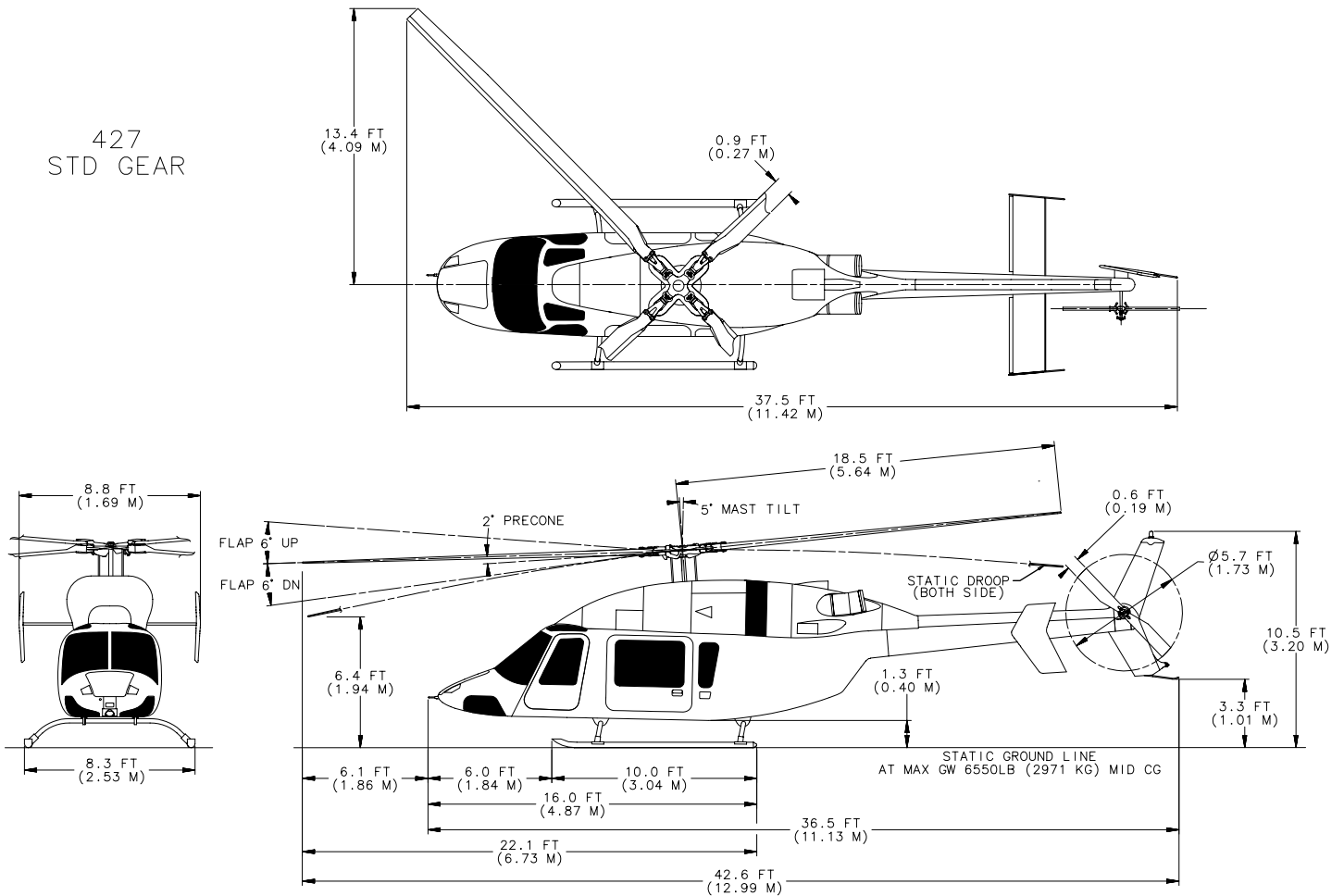


**Bell 427**  
**Heliport Design Data and Dimensions**

427  
 STD GEAR



**LANDING GEAR LOADING AT MAXIMUM GROSS WEIGHT (6350-POUNDS),  
 BASED ON 1G STATIC CONDITIONS AT AFT-MOST STRUCTURAL CG LIMIT**

Gear Type	Loading (lb)		Contact Area (in <sup>2</sup> )		Contract Pressure (lb/in <sup>2</sup> )	
	Forward	Aft	Forward	Aft	Forward	Aft
Standard Skid	2176	4174	16.5 x 2.0	16.5 x 2.0	66	127
High Skid	2079	4271	16.5 x 2.0	16.5 x 2.0	63	129
Emergency Floats	2079	4271	16.5 x 2.0	16.5 x 2.0	63	129

**LANDING GEAR LOADING AT MAXIMUM GROSS WEIGHT (6550-POUNDS),  
 BASED ON 1G STATIC CONDITIONS AT AFT-MOST STRUCTURAL CG LIMIT**

Gear Type	Loading (lb)		Contact Area (in <sup>2</sup> )		Contract Pressure (lb/in <sup>2</sup> )	
	Forward	Aft	Forward	Aft	Forward	Aft
Standard Skid	2245	4305	16.5 x 2.0	16.5 x 2.0	68	131
High Skid	2145	4406	16.5 x 2.0	16.5 x 2.0	65	134
Emergency Floats	2145	4406	16.5 x 2.0	16.5 x 2.0	65	134