



Helideck Limitation List (HLL)

Part C Summary of Pitch, Roll & Heave Limitations

Notes:

1. Acceptable parameters are up to and including the limits given below, (pitch and roll figures are half amplitude, heave is given in metres per second)
2. Limitations for helicopters not included in the table below are to be requested from the HCA Helideck Steering Committee (HSC)
3. Category 3 vessels (Bow mounted helideck) operating with the helideck downwind are automatically upgraded to Category 2
4. Category 2 vessels (Stern helideck) operating with the helideck upwind are automatically downgraded to Category 3

Vessels with Midship helidecks are always Category 2

5. FPSO night operations – use Category 1 “Night Other Vessels” limitations
6. Stable deck conditions, when applied, assume a maximum of 1 degree pitch & roll and 0.4 m/s SHR

Aircraft Category	Helideck Category									
		1			2			3		
		P/R	INC	SHR	P/R	INC	SHR	P/R	INC	SHR
A	DAY	±3	3.5	1.3	±2	2.5	1.0	±2	2.5	1.0
	Night Semi-Sub	±3	3.5	1.0	Not Applicable			Not Applicable		
	Night Other	±2	2.5	1.0	±2	2.5	0.5	±1*	1.5*	0.5*
B	DAY	±4	4.5	1.3	±3	3.5	1.0	±3	3.5	1.0
	Night Semi-Sub	±4	4.5	1.0	Not Applicable			Not Applicable		
	Night Other	±3	3.5	1.0	±2	2.5	0.5	±1.5*	2.0*	0.5*

* Night operations to Category 3 vessels are not permitted in UK waters.

Key:

P/R = Pitch and Roll (deg); **INC** = Helideck inclination (deg); **SHR** = Significant Heave Rate (m/s);

For tanker mooring buoys (whose deck movement is measured by inclination rather than pitch and roll) the inclination limits are ±2° by day and ±1° by night regardless of aircraft category.

Aircraft Category:

A = S92, EC225, AS332 Series, AW189

B = AW139, S76 series, AS365 Series, B212, B412, EC135, EC145, EC155, EC175, AW169.