

TEMA: 0623 ATP-RTC - Weight & Balance - Chap.5

**COD\_PREG:** **PREGUNTA:** **RPTA:**  
PREG20097980 (8419) What is the result of loading a helicopter so that the CG is aft of the rearward limit? C  
**OPCION A:** Insufficient aft cyclic control to decelerate properly during an approach.  
**OPCION B:** Inability of the pilot to recognize this dangerous condition when hovering in a strong headwing.  
**OPCION C:** Insufficient forward cyclic control to fly in the upper allowable airspeed range.  
**OPCION D:**

PREG20097981 (8769) What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 33.5 x 48.5 inches? C  
Floor load limit - 76 lb/sq ft.  
Pallet weight - 44 lb.  
Tiedown devices - 27 lb.  
**OPCION A:** 857.4 pounds.  
**OPCION B:** 830.4 pounds.  
**OPCION C:** 786.5 pounds.  
**OPCION D:**

PREG20097982 (8770) What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 36.5 x 48.5 inches? B  
Floor load limit -112 lb/sq ft.  
Pallet weight - 45 lb.  
Tiedown devices -29 lb.  
**OPCION A:** 1,331.8 pounds.  
**OPCION B:** 1,302.8 pounds.  
**OPCION C:** 1,347.8 pounds.  
**OPCION D:**

PREG20097983 (8771) What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 42.6 x 48.7 inches? B  
Floor load limit - 121 lb/sq ft.  
Pallet weight - 47 lb.  
Tiedown devices - 33 lb.  
**OPCION A:** 1,710.2 pounds.  
**OPCION B:** 1,663.2 pounds.  
**OPCION C:** 1,696.2 pounds.  
**OPCION D:**

PREG20097984 (8772) What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 24.6 x 68.7 inches? A  
Floor load limit - 85 lb/sq ft.  
Pallet weight - 44 lb.  
Tiedown devices - 29 lb.  
**OPCION A:** 924.5 pounds.

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- OPCION B:** 968.6 pounds.  
**OPCION C:** 953.6 pounds.  
**OPCION D:**
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PREG20097985 (8773) What is the maximum allowable weigh that may be carried on a pallet which has the dimensions of 34.6 x 46.4 inches? A  
Floor load limit ----- 88 lb/sq ft  
Pallet weight ----- 41 lb  
Tiedown devices ----- 26 lb

- OPCION A:** 914.1 pounds  
**OPCION B:** 940.1 pounds  
**OPCION C:** 981.1 pounds  
**OPCION D:**
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PREG20097986 (8776) What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 33.5 x 48.5 inches? B  
Floor load limit ----- 66 lb/sq ft  
Pallet weight ----- 34 lb  
Tiedown devices ----- 29 lb

- OPCION A:** 744.6 pounds  
**OPCION B:** 681.6 pounds  
**OPCION C:** 663.0 pounds  
**OPCION D:**
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PREG20097987 (8777) What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 36.5 x 48.5 inches? C  
Floor load limit ----- 107 lbs/sq ft  
Pallet weight ----- 37 lb  
Tiedown devices ----- 33 lb

- OPCION A:** 1,295.3 pounds  
**OPCION B:** 1,212.3 pounds  
**OPCION C:** 1,245.3 pounds  
**OPCION D:**
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PREG20097988 (8778) What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 42.6 x 48.7 inches? A  
Floor load limit ----- 117 lb/sq ft  
Pallet weight ----- 43 lb  
Tiedown devices ----- 31 lb

- OPCION A:** 1,611.6 pounds  
**OPCION B:** 1,654.6 pounds  
**OPCION C:** 1,601.6 pounds  
**OPCION D:**
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PREG20097989 (8779) What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 24.6 x 68.7 inches?  
Floor load limit ----- 79 lb/sq ft  
Pallet weight ----- 43 lb  
Tiedown devices ----- 27 lb

**OPCION A:** 884.1 pounds  
**OPCION B:** 857.1 pounds  
**OPCION C:** 841.1 pounds  
**OPCION D:**

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PREG20097990 (8781) What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 143 x 125.2 inches?  
Floor load limit ----- 209 lb/sq ft  
Pallet weight ----- 197 lb  
Tiedown devices----- 66 lb

**OPCION A:** 25,984.9 pounds  
**OPCION B:** 25,787.9 pounds  
**OPCION C:** 25,721.9 pounds  
**OPCION D:**

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PREG20097991 (8787) What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 138.5 x 97.6 inches?  
Floor load limit ----- 235 lb/sq ft  
Pallet weight ----- 219 lb  
Tiedown devices ----- 71 lb

**OPCION A:** 21,840.9 pounds  
**OPCION B:** 21,769.9 pounds  
**OPCION C:** 22,059.9 pounds  
**OPCION D:**

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PREG20097992 (8788) What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 96.1 x 133.3 inches?  
Floor load limit ----- 249 lb/sq ft  
Pallet weight ..... 347 lb  
Tiedown devices ----- 134 lb

**OPCION A:** 21,669.8 pounds  
**OPCION B:** 21,803.8 pounds  
**OPCION C:** 22,120.8 pounds  
**OPCION D:**

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PREG20097993 (8789) What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 87.7 x 116.8 inches?  
Floor load limit ----- 175 lb/sq ft  
Pallet weight ----- 137 lb  
Tiedown devices ---. 49 lb

**OPCION A:** 12,262.4 pounds  
**OPCION B:** 12,448.4 pounds

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**OPCION C:** 12,311.4 pounds

**OPCION D:**

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PREG20097994 (8790) What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 98.7 x 78.9 inches? C  
Floor load limit ----- 183 lb/sq ft  
Pallet weight ----- 161 lb  
Tiedown devices ----- 54 lb

**OPCION A:** 9,896.5 pounds

**OPCION B:** 9,735.5 pounds

**OPCION C:** 9,681.5 pounds

**OPCION D:**

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PREG20097995 (8791) What minimum floor load limit must an aircraft have to carry the following pallet of cargo? C  
Pallet size is 78.9 wide and 98.7 long  
Pallet weight ----- 161 lb  
Tiedown devices ----- 54 lb  
Cargo weight ----- 9,681.5 lb

**OPCION A:** 182 lb/sq ft

**OPCION B:** 180 lb/sq ft

**OPCION C:** 183 lb/sq ft

**OPCION D:**

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PREG20097996 (8844) What is the minimum floor load limit that an aircraft must have to carry the following pallet of cargo? A  
Pallet dimensions are 39 x 37 inches  
Pallet weight - 37 lbs.  
Tiedown devices - 21 lbs.  
Cargo weight - 1,094.3 lbs.

**OPCION A:** 115 lbs/sq ft.

**OPCION B:** 112 lbs/sq ft.

**OPCION C:** 109 lbs/sq ft.

**OPCION D:**

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PREG20097997 (8845) What is the minimum floor load limit that an aircraft must have to carry the following pallet of cargo? C  
Pallet dimensions are 37.5 x 35 inches.  
Pallet weight - 34 lbs.  
Tiedown devices - 23 lbs.  
Cargo weight - 1,255.4 lbs.

**OPCION A:** 152 lbs/sq ft.

**OPCION B:** 148 lbs/sq ft.

**OPCION C:** 144 lbs/sq ft.

**OPCION D:**

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PREG20097998 (8846) What is the minimum floor load limit that an aircraft must have to carry the following pallet of cargo? B  
Pallet dimensions are 48.5 x 33.5 inches  
Pallet weight - 44 lbs.  
Tiedown devices - 27 lbs.  
Cargo weight - 786.5 lbs.

**OPCION A:** 79 lbs/sq ft.  
**OPCION B:** 76 lbs/sq ft.  
**OPCION C:** 73 lbs/sq ft.  
**OPCION D:**

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PREG20097999 (8847) What is the minimum floor load limit that an aircraft must have to carry the following pallet of cargo? B  
Pallet dimensions are 116.8 x 87.7 inches  
Pallet weight ..... 137 lbs  
Tiedown devices ..... 49 lbs.  
Cargo weight ..... 12,262.4 lbs

**OPCION A:** 172 lbs/sq ft  
**OPCION B:** 176 lbs/sq ft  
**OPCION C:** 179 lbs/sq ft  
**OPCION D:**

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