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<b>TEMA:</b> 0623	ATP-RTC - Weight & Balance - Chap.5	
<b>COD_PREG:</b> 8419	<b>PREGUNTA:</b> What is the result of loading a helicopter so that the CG is aft of the rearward limit?	<b>RPTA:</b> C
<b>OPCION A:</b>	Insufficient aft cyclic control to decelerate properly during an approach.	
<b>OPCION B:</b>	Inability of the pilot to recognize this dangerous condition when hovering in a strong headwind.	
<b>OPCION C:</b>	Insufficient forward cyclic control to fly in the upper allowable airspeed range.	

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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? Floor load limit - 76 lb/sq ft. Pallet weight - 44 lb. Tiedown devices - 27 lb.	C
<b>OPCION A:</b>	857.4 pounds.	
<b>OPCION B:</b>	830.4 pounds.	
<b>OPCION C:</b>	786.5 pounds.	

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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? Floor load limit -112 lb/sq ft. Pallet weight - 45 lb. Tiedown devices -29 lb.	B
<b>OPCION A:</b>	1,331.8 pounds.	
<b>OPCION B:</b>	1,302.8 pounds.	
<b>OPCION C:</b>	1,347.8 pounds.	

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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? Floor load limit - 121 lb/sq ft. Pallet weight - 47 lb. Tiedown devices - 33 lb.	B
<b>OPCION A:</b>	1,710.2 pounds.	
<b>OPCION B:</b>	1,663.2 pounds.	
<b>OPCION C:</b>	1,696.2 pounds.	

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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? Floor load limit - 85 lb/sq ft. Pallet weight - 44 lb. Tiedown devices - 29 lb.	A
<b>OPCION A:</b>	924.5 pounds.	
<b>OPCION B:</b>	968.6 pounds.	
<b>OPCION C:</b>	953.6 pounds.	

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8773	What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 34.6 x 46.4 inches? Floor load limit ----- 88 lb/sq ft Pallet weight ----- 41 lb Tiedown devices ----- 26 lb	A
<b>OPCION A:</b>	914.1 pounds	
<b>OPCION B:</b>	940.1 pounds	
<b>OPCION C:</b>	981.1 pounds	

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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? Floor load limit ----- 66 lb/sq ft Pallet weight ----- 34 lb Tiedown devices ----- 29 lb	B
<b>OPCION A:</b>	744.6 pounds	
<b>OPCION B:</b>	681.6 pounds	

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**OPCION C:** 663.0 pounds

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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

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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

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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? B

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

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8781 What is the maximum allowable weight that may be carried on a pallet which has the dimensions of 143 x 125.2 inches? C

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

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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? B

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

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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? A

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

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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? A

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  
**OPCION C:** 12,311.4 pounds

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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

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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

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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.

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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.

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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.

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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

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