Aircraft Loading Tables

Complete Aircraft Set “A-Z”

To obtain the loading table for an aircraft not included in this package, please contact our Technical Evaluation Engineering staff:

a) By Mail at:

Technical Evaluation Engineering (AARME)
Aerodrome Safety Branch
Transport Canada
330 Sparks Street
Tower C, Place de Ville
Ottawa, Ontario
Canada K1A 0N8

b) By Fax at: (613) 990-0508

c) By visiting our Transport Canada Internet web site at:

http://www.tc.gc.ca/aviation/aerodrme/techeval/index_e.htm

September, 2001

Aircraft Load Ratings
for
A300-B, B2

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 88.9 Tandem = 139.7
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.16 (168 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 18.54, 4.80 3) 18.54, -4.80	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1353	10.2	10.2	10.0	9.9	9.6	10.1	9.9	9.7	9.4
840	8.0**	7.8	7.6	7.7	8.5*	7.9	7.6	7.2	7.0

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1353	39	44	54	69	35	43	51	58
840	21	23	27	36	19	22	26	31

Aircraft Load Ratings
for
A300-B4-200

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 90.2 Tandem = 139.7
Load on One Main Gear Leg (%): 46.97	Tire Pressure (MPa): 1.28 (186 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 18.54, 4.8 3) 18.54, -4.8	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1627	11.0	11.0	10.8	10.7	10.6	10.7	10.7	10.7	10.5
1236	9.7	9.6	9.5	9.4	9.5	9.7	9.5	9.2	9.0

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1627	50	57	69	86	46	56	66	75
1236	35	38	46	60	32	38	45	51

Aircraft Load Ratings
for
A300-B4-200
(Optional Bogie)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 97.8 Tandem = 152.4
Load on One Main Gear Leg (%): 46.97	Tire Pressure (MPa): 1.16 (168 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 18.54, 4.8 3) 18.54, -4.8	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1627	10.8	10.8	10.6	10.4	10.2	10.5	10.4	10.2	10.0
1236	9.4	9.4	9.2	9.0	9.4	9.4	9.1	8.8	8.5

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1627	47	52	64	82	41	49	59	68
1236	33	36	42	56	28	33	40	47

Aircraft Load Ratings
for
A300-B4-600R

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 90.2 Tandem = 139.7
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.35 (196 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 18.54, 4.8 3) 18.54, -4.8	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1693	11.2	11.2	11.1	11.0	11.0	10.9	11.0	11.0	10.8
1275	9.9	9.8	9.6	9.6	9.7	9.9	9.7	9.5	9.3

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1693	54	61	74	92	51	61	71	80
1275	37	41	49	64	34	41	48	55

Aircraft Load Ratings
for
A300-B4-600R
(Optional Bogie)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 97.8 Tandem = 152.4
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.21 (176 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 18.54, 4.8 3) 18.54, -4.8	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1693	11.0	11.0	10.8	10.7	10.5	10.7	10.7	10.5	10.3
1275	9.6	9.6	9.4	9.3	9.5	9.6	9.3	9.0	8.8

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1693	50	56	69	88	44	54	64	74
1275	35	38	45	60	30	36	43	50

Aircraft Load Ratings
for
A300-C4

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 95.0 Tandem = 146.0
Load on One Main Gear Leg (%): 47.3	Tire Pressure (MPa): 1.24 (180 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 18.54, 4.80 3) 18.54, -4.80	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1627	10.9	10.9	10.7	10.6	10.5	10.6	10.6	10.5	10.3
1216	9.5	9.4	9.2	9.1	9.4	9.5	9.2	9.0	8.7

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1627	48	55	67	85	44	53	63	72
1216	33	36	43	57	30	35	42	48

Aircraft Load Ratings
for
A310-200, 200C

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 92.7 Tandem = 139.7
Load on One Main Gear Leg (%): 46.6	Tire Pressure (MPa): 1.46 (212 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 15.22, 4.80 3) 15.22, -4.80	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1509	10.5	10.4	10.3	10.3	10.3	10.5	10.4	10.3	10.2
800	8.2**	7.2	7.4	7.7	8.8*	7.7	7.4	7.1	6.9

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1509	45	50	61	77	43	51	59	67
800	20	21	24	32	19	21	25	29

Aircraft Load Ratings
for
A310-300

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 90.2 Tandem = 139.7
Load on One Main Gear Leg (%): 47.23	Tire Pressure (MPa): 1.19 (173 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 15.22, 4.80 3) 15.22, -4.80	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1480	10.6	10.6	10.4	10.3	10.1	10.4	10.3	10.1	9.9
1108	9.2	9.2	8.9	8.8	9.1*	9.2	8.9	8.6	8.3

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1480	44	50	61	77	40	48	57	65
1108	30	33	39	52	27	32	38	44

Aircraft Load Ratings
for
A310-300

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 90.2 Tandem = 139.7
Load on One Main Gear Leg (%): 47.3	Tire Pressure (MPa): 1.48 (215 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 15.22, 4.80 3) 15.22, -4.80	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1549	10.7	10.7	10.6	10.5	10.6	10.6	10.7	10.6	10.5
1118	9.5	8.9	8.9	9.0	9.5	9.4	9.1	8.9	8.7

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1549	48	54	65	82	46	55	64	72
1118	31	34	40	53	30	35	41	47

Aircraft Load Ratings
for
A310-300

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 90.2 Tandem = 139.7
Load on One Main Gear Leg (%): 47.3	Tire Pressure (MPa): 1.29 (187 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 15.22, 4.80 3) 15.22, -4.80	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1617	11.0	11.0	10.8	10.7	10.7	10.7	10.8	10.7	10.5
1118	9.3**	9.1	9.0	8.9	9.3*	9.3	9.3	8.7	8.5

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1617	50	57	69	86	47	56	66	75
1118	31	34	40	53	28	33	39	45

Aircraft Load Ratings
for
A310-322 SR, BB

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 92.7 Tandem = 139.7
Load on One Main Gear Leg (%): 46.6	Tire Pressure (MPa): 1.45 (210 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 15.22, 4.80 3) 15.22, -4.80	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1500	10.4	10.4	10.3	10.2	10.3	10.4	10.4	10.3	10.1
1064	9.3	8.5	8.6	8.7	9.3	9.0	8.8	8.5	8.3

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1500	44	49	60	77	42	50	59	67
1064	29	31	36	48	27	31	37	42

Aircraft Load Ratings
for
A310-324

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 92.7 Tandem = 139.7
Load on One Main Gear Leg (%): 46.6	Tire Pressure (MPa): 1.24 (180 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 15.22, 4.80 3) 15.22, -4.80	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1540	10.7	10.7	10.4	10.3	10.2	10.5	10.4	10.2	10.0
800	7.9**	7.2	7.3	7.6	8.5*	7.6	7.2	6.9	6.7

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1540	44	49	60	77	41	50	59	67
800	19	20	23	31	18	20	24	28

Aircraft Load Ratings
for
A310-325

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 92.7 Tandem = 139.7
Load on One Main Gear Leg (%): 46.6	Tire Pressure (MPa): 1.38 (200 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 15.22, 4.80 3) 15.22, -4.80	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1608	10.8	10.8	10.6	10.6	10.5	10.7	10.7	10.6	10.4
1100	9.3	8.8	8.7	8.8	9.3	9.1	8.9	8.6	8.4

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1608	48	54	66	84	46	55	64	73
1100	30	32	38	50	27	32	38	44

Aircraft Load Ratings
for
A318-100

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 92.7
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.89 (129 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 10.25, 3.80 3) 10.25, -3.80	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
607	8.8	8.5	8.6	8.6	8.8	8.7	8.7	8.7	8.8
382	6.9**	6.5	6.6	7.0*	7.6*	6.8	6.8	6.7	6.7

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
607	29	31	35	41	31	34	36	38
382	17	18	20	23	18	19	21	22

Aircraft Load Ratings
for
A319-100

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 92.7
Load on One Main Gear Leg (%): 46.31	Tire Pressure (MPa): 0.89 (129 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 11.04, 3.80 3) 11.04, -3.80	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
632	8.9	8.6	8.6	8.6	8.8*	8.7	8.7	8.8	8.9
382	6.9**	6.4	6.5	6.9*	7.5*	6.7	6.7	6.6	6.6

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
632	30	32	36	42	31	34	37	39
382	17	18	19	23	17	19	20	22

Aircraft Load Ratings
for
A319-100

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 92.7
Load on One Main Gear Leg (%): 46.03	Tire Pressure (MPa): 1.07 (155 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 11.04, 3.80 3) 11.04, -3.80	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
690	9.5	8.9	9.0	9.2	9.5	9.2	9.2	9.4	9.5
382	7.3**	6.3	6.7	7.3	7.9*	6.8	6.8	6.8	6.8

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
690	35	36	40	46	37	40	42	45
382	18	18	20	23	18	20	21	23

Aircraft Load Ratings
for
A319-100

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 92.7
Load on One Main Gear Leg (%): 45.74	Tire Pressure (MPa): 1.38 (200 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 11.04, 3.80 3) 11.04, -3.80	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
744	10.2	9.0	9.2	9.6	10.0	9.6	9.7	9.9	10.2
382	8.0**	6.3	7.0	7.7	8.5*	7.0	7.0	7.0	7.1

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
744	39	40	45	50	44	46	49	51
382	18	18	20	23	20	21	22	24

Aircraft Load Ratings
for
A320-100

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 92.7
Load on One Main Gear Leg (%): 47.5	Tire Pressure (Mpa): 1.21 (175 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 12.63, 3.80 3) 12.63, -3.80	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
667	9.7	8.8	9.0	9.3	9.6	9.2	9.3	9.5	9.7
390	7.8**	6.5	7.0	7.6	8.4*	7.1	7.1	7.2	7.2

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
667	35	36	40	46	38	41	43	45
390	19	19	21	24	30	22	23	25

Aircraft Load Ratings
for
A320-200

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 92.7
Load on One Main Gear Leg (%): 46.94	Tire Pressure (MPa): 1.03 (149 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 12.64, 3.80 3) 12.64, -3.80	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
725	9.8	9.2	9.3	9.4	9.6	9.4	9.5	9.6	9.8
402	7.4**	6.6	6.9	7.4	8.0*	7.1	7.1	7.1	7.1

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
725	37	39	44	50	40	43	45	48
402	19	19	21	25	20	21	23	24

Aircraft Load Ratings
for
A320-200

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 92.7
Load on One Main Gear Leg (%): 46.72	Tire Pressure (MPa): 1.14 (165 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 12.64, 3.80 3) 12.64, -3.80	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
744	10.0	9.2	9.4	9.6	9.7	9.6	9.6	9.8	10.0
422	7.9**	6.8	7.2	7.6	8.4*	7.3	7.3	7.4	7.4

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
744	39	40	45	51	42	45	48	50
422	20	21	22	26	22	23	25	26

Aircraft Load Ratings
for
A320-200

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 92.7
Load on One Main Gear Leg (%): 46.52	Tire Pressure (MPa): 1.44 (209 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 12.64, 3.80 3) 12.64, -3.80	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
759	10.4	9.1	9.4	9.8	10.2	9.8	9.9	10.1	10.4
441	8.5**	6.9	7.5	8.0	8.9*	7.7	7.7	7.8	7.9

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
759	41	42	47	53	46	49	51	53
441	22	22	24	28	24	26	27	29

Aircraft Load Ratings
for
A320-200
(Optional Bogie)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 78.0 Tandem = 100.3
Load on One Main Gear Leg (%): 46.94	Tire Pressure (MPa): 1.22 (177 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 12.64, 3.80 3) 12.64, -3.80	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
725	7.9	7.5	7.4	7.4	8.2*	7.9	7.6	7.3	7.0
402	5.7**	5.2	5.5	6.2*	6.7*	5.2	4.9	4.6	4.3*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
725	20	22	26	35	19	23	27	31
402	10	10	11	15	9	10	12	14

Aircraft Load Ratings
for
A320-212
(Optional 4-Wheel Bogie)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 78.0 Tandem = 100.3
Load on One Main Gear Leg (%): 46.94	Tire Pressure (MPa): 1.22 (177 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 12.64, 3.80 3) 12.64, -3.80	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
764	8.2	7.8	7.7	7.6	8.3*	8.2	7.9	7.6	7.2
490	6.3**	5.9	6.0	6.6*	7.3*	6.1	5.8	5.4	5.1

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
764	21	23	28	38	21	24	29	33
490	12	13	15	20	11	13	16	18

Aircraft Load Ratings
for
A321-100

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 92.7
Load on One Main Gear Leg (%): 47.84	Tire Pressure (Mpa): 1.28 (186 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 16.91, 3.80 3) 16.91, -3.80	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
769	10.5	9.4	9.6	9.9	10.2	9.8	10.0	10.2	10.5
461	8.5**	7.2	7.6	8.0	8.8*	7.9	7.9	8.0	8.1

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
769	42	44	49	55	47	50	52	54
461	23	24	26	30	26	27	29	30

Aircraft Load Ratings
for
A321-100

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 92.7
Load on One Main Gear Leg (%): 47.84	Tire Pressure (Mpa): 1.36 (197 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 16.91, 3.80 3) 16.91, -3.80	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
818	10.8	9.6	9.8	10.1	10.5	10.1	10.3	10.5	10.8
461	8.7**	7.2	7.7	8.1	8.9*	7.9	7.9	8.0	8.2

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
818	45	48	53	59	51	54	57	59
461	23	24	26	30	26	28	29	31

Aircraft Load Ratings
for
A321-200

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 92.7
Load on One Main Gear Leg (%): 47.46	Tire Pressure (Mpa): 1.46 (212 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 16.91, 3.80 3) 16.91, -3.80	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
877	11.2	9.8	10.1	10.4	10.8	10.3	10.5	10.8	11.2
461	8.9**	7.1	7.7	8.2	9.1*	7.9	8.0	8.1	8.2

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
877	49	52	58	63	56	59	62	64
461	23	24	26	30	26	28	29	31

Aircraft Load Ratings
for
A330-200

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 139.7 Tandem = 198.1
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.34 (194 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 22.18, 5.34 3) 22.18, -5.34	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
2137	11.0	11.0	10.8	10.6	10.8	10.8	10.8	10.7	10.7
1650	10.2	9.7	9.4	9.3	10.2	9.9	9.6	9.5	9.5

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
2137	57	62	72	98	48	56	66	78
1650	42	44	50	67	37	40	47	55

Aircraft Load Ratings
for
A330-200

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 139.7 Tandem = 198.1
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.42 (206 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 22.18, 5.34 3) 22.18, -5.34	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
2264	11.3	11.3	11.1	11.0	11.1	11.0	11.1	11.0	11.0
1650	10.3	9.6	9.4	9.3	10.3	9.9	9.7	9.6	9.6

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
2264	62	67	78	106	53	61	73	85
1650	42	45	50	67	37	41	48	55

Aircraft Load Ratings
for
A330-300

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 139.7 Tandem = 198.1
Load on One Main Gear Leg (%): 47.56	Tire Pressure (MPa): 1.31 (190 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 25.38, 5.34 3) 25.38, -5.34	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
2088	10.9	10.9	10.7	10.5	10.7	10.8	10.7	10.5	10.5
1638	10.2	9.7	9.4	9.2	10.2	9.8	9.6	9.4	9.5

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
2088	55	60	70	94	46	54	64	75
1638	41	44	50	66	36	39	46	54

Aircraft Load Ratings
for
A330-300

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 139.7 Tandem = 198.1
Load on One Main Gear Leg (%): 47.13	Tire Pressure (MPa): 1.33 (193 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 25.38, 5.34 3) 25.38, -5.34	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
2137	11.0	11.0	10.8	10.6	10.8	10.8	10.7	10.6	10.6
1657	10.2	9.7	9.4	9.2	10.2	9.9	9.6	9.4	9.5

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
2137	57	61	71	96	47	55	65	77
1657	41	44	50	66	37	40	46	54

Aircraft Load Ratings
for
A330-300

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 139.7 Tandem = 198.1
Load on One Main Gear Leg (%): 47.89	Tire Pressure (MPa): 1.42 (206 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 25.38, 5.34 3) 25.38, -5.34	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
2264	11.3	11.3	11.1	11.0	11.0	11.1	11.1	11.0	11.1
1697	10.4	9.8	9.6	9.5	10.4	10.1	9.8	9.7	9.8

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
2264	62	68	79	107	54	62	74	86
1697	44	47	53	70	39	43	50	58

Aircraft Load Ratings
for
A340-200

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 139.7 Tandem = 198.1
Load on One Main Gear Leg (%): 39.22	Tire Pressure (MPa): 1.32 (191 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 23.24, 5.34 3) 23.24, -5.34 4) 24.24, 0 Note: Gear 4) is a belly dual gear with a wheel spacing of 975 mm.	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
2559	11.0	11.0	10.8	10.6	10.8	10.8	10.7	10.6	10.6
1657	9.7	8.7	8.5	8.9	9.7	9.1	8.7	8.6	8.7

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
2559	56	61	71	96	47	55	65	76
1657	33	35	39	50	31	32	36	42

Aircraft Load Ratings
for
A340-200

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 139.7 Tandem = 198.1
Load on One Main Gear Leg (%): 39.81	Tire Pressure (MPa): 1.42 (206 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 23.24, 5.34 3) 23.24, -5.34 4) 24.24, 0 Note: Gear 4) is a belly dual gear with a wheel spacing of 975 mm.	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
2706	11.3	11.3	11.1	11.0	11.0	11.1	11.1	11.0	11.0
1697	9.9	8.8	8.7	9.1	9.9	9.3	9.0	8.9	9.0

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
2706	62	67	78	106	53	62	73	85
1697	35	37	41	53	33	34	39	45

Aircraft Load Ratings
for
A340-300

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 139.7 Tandem = 198.1
Load on One Main Gear Leg (%): a) 39.12% at 2559 kN b) 41.45% at 1706 kN c) 44.06% at 1403 kN	Tire Pressure (MPa): 1.32 (191 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 25.38, 5.34 3) 25.38, -5.34 4) 26.37, 0 Note: Gear 4) is a belly dual gear with a wheel spacing of 975 mm.	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
2559	11.0	11.0	10.7	10.6	10.7	10.8	10.7	10.6	10.6
1706	10.0	9.2	8.9	9.1	10.0	9.4	9.1	9.0	9.0
1403	9.7	8.4	8.2	8.8	9.7	8.8	8.5	8.4	8.5

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
2559	56	61	70	96	47	54	65	76
1706	37	39	44	57	33	35	41	47
1403	31	33	36	47	30	30	34	40

Aircraft Load Ratings
for
A340-300

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 139.7 Tandem = 198.1
Load on One Main Gear Leg (%): a) 40.06% at 2706 kN b) 42.18 at 1765 kN c) 44.06% at 1403 kN	Tire Pressure (MPa): 1.42 (206 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 25.38, 5.34 3) 25.38, -5.34 4) 26.37, 0 Note: Gear 4) is a belly dual gear with a wheel spacing of 975 mm.	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
2706	11.3	11.3	11.1	11.0	11.0	11.1	11.1	11.0	11.1
1765	10.2	9.3	9.1	9.1	10.2	9.7	9.4	9.3	9.4
1403	9.7	8.3	8.2	8.9	9.7	8.9	8.6	8.5	8.6

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
2706	62	68	79	107	54	62	74	86
1765	40	42	47	62	36	39	44	52
1403	32	33	37	47	30	31	35	40

Aircraft Load Ratings
for
A340-500, 600

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 140 Tandem = 198
Load on One Main Gear Leg (%): 33.0	Tire Pressure (MPa): 1.42 (206 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 32.89, 5.34 3) 32.89, -5.34 4) 33.64, 0 Note: Gear 4) is a belly dual tandem gear with a wheel spacing of 118 cm (dual) and 198 cm (tandem).	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
3590	11.8	11.8	11.6	11.5	11.4	11.3	11.5	11.4	11.4
1750	9.6	7.9	7.9	8.7	9.6	8.6	8.3	8.2	8.3

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
3590	70	76	90	121	60	70	83	97
1750	29	31	34	42	29	28	32	37

Aircraft Load Ratings
for
A380-800
(Dual Tridem Main Body Gear - 6 Wheels)

Landing Gear Characteristics	
Number of Main Gear: 4	Wheels In Each Main Gear: 2 Main Body Gear @ 6 Wheels and 2 Wing Gear @ 4 Wheels
Main Gear Type: a) 3 Duals in Tandem (2 Main Body Gear) and b) Dual Tandem (2 Wing Gear)	Co-Ordinates for 6 Wheel Main Body Gear (cm): 1) 0,0 2) 0,153 3) 170,0 4) 170,155 5) 340,0 6) 340,153
Load on One Main Gear Leg (%): 28.5	Tire Pressure (MPa): 1.47 (213 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 40.94, 6.27 3) 40.94, -6.27 4) 44.21, 2.63 5) 44.21, -2.63 Note: Gears 2 & 3 are Wing Landing Gear and Gears 4 & 5 are Main Body Landing Gear.	

Note: The ALR/ACN values given below apply to the 6 Wheeled Main Body Gear.

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
5514	12.2	12.2	11.5	10.8	10.9	11.5	11.7	11.3	11.1
2758	9.5	7.5	7.7	8.5	9.5	8.7	8.2	7.9	8.0

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
5514	71	79	99	136	53	61	76	94
2758	29	31	35	48	25	26	29	34

Aircraft Load Ratings
for
A380-800
(Dual Tandem Wing Gear - 4 Wheels)

Landing Gear Characteristics	
Number of Main Gear: 4	Wheels In Each Main Gear: 2 Main Body Gear @ 6 Wheels and 2 Wing Gear @ 4 Wheels
Main Gear Type: a) 3 Duals in Tandem (2 Main Body Gear) and b) Dual Tandem (2 Wing Gear)	Co-Ordinates for 4 Wheel Wing Gear (cm): 1) 0,0 2) 0,135 3) 180,0 4) 180,135
Load on One Wing Gear Leg (%): 19.0	Tire Pressure (MPa): 1.47 (213 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 40.94, 6.27 3) 40.94, -6.27 4) 44.21, 2.63 5) 44.21, -2.63 Note: Gears 2 & 3 are Wing Landing Gear and Gears 4 & 5 are Main Body Landing Gear.	

Note: The ALR/ACN values given below apply to the 4 Wheeled Wing Gear.

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
5514	11.3	11.3	11.1	11.0	10.9	11.1	11.2	11.1	11.1
2758	9.5	7.5	7.7	8.5	9.5	8.4	8.1	7.9	8.0

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
5514	62	68	80	108	55	64	76	88
2758	27	28	31	39	25	26	30	35

Aircraft Load Ratings
for
Antonov AN-24

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 58.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.42 (61psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 7.89, 3.95 3) 7.89, -3.95	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
207	4.6	4.6	3.5*	----	----	4.5	4.4	4.2*	4.0*
130	3.0	2.7	----	----	----	3.0*	2.8*	2.7*	2.5*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
207	6	8	11	13	8	9	11	11
130	4	5	6	7	5	5	6	7

Aircraft Load Ratings
for
Antonov AN-124-100

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 10
Main Gear Type: 5 Duals in Tandem	Gear Wheel Spacing (cm): Dual = 99.5 Tandem = 165.0 Wheel Co-Ordinates (cm): 1) 0, 0 2) 0, 99.5 3) 165, 0 4) 165, 99.5 5) 330, 0 6) 330, 99.5 7) 495, 0 8) 495, 99.5 9) 660, 0 10) 660, 99.5
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.03 (150 psi)
Gear Co-Ordinates (m): 1) 0,0 2) 22.09, 4.00 3) 22.09, -4.00	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
3844	12.0	12.0	11.4	10.7	9.3	11.3	11.0	10.1	9.3
2000	8.2	8.2	7.2	7.4	8.0*	8.0	7.1	6.4	6.1

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements).

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
3844	51	60	77	107	35	48	73	100
2000	20	23	27	40	17	18	23	32

Note: Flexible pavement ACN's are based on the standard ICAO ten-wheel alpha factor of 0.735.

Aircraft Load Ratings
for
Antonov AN-225

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 14
Main Gear Type: 7 Duals in Tandem	Gear Wheel Spacing (cm): Dual = 87.0 Tandem = 175.0 Wheel Co-Ordinates (cm): 1) 0, 0 2) 0, 87.0 3) 175.0, 0 4) 175.0, 87.0 5) 350.0, 0 6) 350.0, 87.0 7) 525.0, 0 8) 525.0, 87.0 9) 700.0, 0 10) 700.0, 87.0 11) 875.0, 0 12) 875.0, 87.0 13) 1050.0, 0 14) 1050.0, 87.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.13 (164 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 29.10, 4.42 3) 29.10, -4.20	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
5884	12.9	12.9	12.6	12.1	11.4	11.6	11.7	10.9	10.2
4500	11.4	11.4	10.8	10.3	9.4	10.8	10.1	9.3	8.7

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
5884	63	75	95	132	45	61	89	125
4500	41	48	62	88	30	39	55	75

Note: Flexible pavement ACN's are based on the standard ICAO fourteen-wheel alpha factor of 0.714.

Aircraft Load Ratings
for
ATR 42 (Aerospatiale)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 42.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.72 (104 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 8.78, 2.05 3) 8.78, -2.05	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
182	4.9	4.9	4.9*	4.7*	----	4.8	4.8	4.7	4.7*
110	3.5	3.5	3.4*	----	----	3.1*	3.1*	3.0*	3.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
182	9	10	11	13	10	11	12	12
110	5	5	6	7	6	6	7	7

Aircraft Load Ratings
for
ATR 72 (Aerospatiale)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 42.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.79 (114 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 10.77, 2.05 3) 10.77, -2.05	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
211	5.7	5.5	5.7	5.3*	----	5.4	5.4	5.4	5.4
125	3.9	3.9	3.7*	----	----	3.5*	3.5*	3.5*	3.5*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
211	11	12	14	15	13	14	14	15
125	6	6	7	8	7	7	8	8

Aircraft Load Ratings
for
Aurora (CP-140) (P-3 Orion)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 66.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.31 (190 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 9.07, 4.75 3) 9.07, -4.75	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
600	9.9	8.9	9.2	9.5	9.9	9.3	9.4	9.6	9.9
275	6.8**	6.0	6.5	6.8*	7.6*	6.2	6.2	6.3	6.3

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
600	35	38	42	45	41	43	45	46
275	14	14	16	18	16	17	18	19

Aircraft Load Ratings
for
B-52 (Bomber)

Landing Gear Characteristics	
Number of Main Gear: 2 (Rear Gear is Critical) Note: There is no nose wheel gear	Wheels In Each Main Gear: 4
Main Gear Type: See Wheel Co-Ordinates There is also one outrigger wheel on each wing	Gear Wheel Co-Ordinates (cm): 1) 0, 0 2) 0, 94.0 3) 0, 252.0 4) 0, 346.0
Load on One Main Gear Leg (%): 53.4 (Rear Gear)	Tire Pressure (MPa): 1.65 (239 psi)
Gear Co-Ordinates (m): 1) No Nose Gear 2) 0, 0 (Front Main Gear) 3) 15.16, 0 (Rear Main Gear)	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
2170	12.7	12.1	12.3	12.5	12.7	11.7	12.6	12.7	12.7
1500	11.6	10.2	10.4	10.5	10.8	11.0	11.3	11.4	11.6

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
2170	80	86	97	116	103	114	126	136
1500	49	53	60	72	62	70	77	85

Aircraft Load Ratings
for
B1-B Bomber (Rockwell)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 85.0 Tandem = 145.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.65 (239 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 17.53, 2.21 3) 17.53. -2.21	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
2123	12.6	12.2	12.4	12.5	12.6	11.5	12.1	12.1	12.2
1400	10.4	10.1	10.1	10.2	10.4	10.4	10.3	10.2	10.2

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
2123	77	87	102	121	77	90	102	113
1400	43	47	57	72	43	50	58	65

Aircraft Load Ratings
for
B707-120, 120B

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 86.0 Tandem = 142.0
Load on One Main Gear Leg (%): 47.0	Tire Pressure (MPa): 1.17 (170 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 15.95, 3.37 3) 15.95, -3.37	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1150	9.4	9.4	9.2	9.1	9.2*	9.3	9.1	8.8	8.5
700	7.3**	6.8	6.9	7.3	8.0*	7.1	6.7	6.3	6.1

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1150	32	35	42	55	28	34	40	47
700	17	18	21	27	16	17	20	24

Aircraft Load Ratings
for
B707-320, 320B, 320C, 420

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 86.0 Tandem = 142.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.24 (180 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 17.98, 3.37 3) 17.98, -3.37	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1484	10.7	10.7	10.5	10.4	10.4	10.5	10.4	10.3	10.1
800	8.0**	7.5	7.5	7.7	8.5*	7.8	7.4	7.1	6.9

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1484	45	51	62	78	42	50	59	67
800	20	22	25	33	19	21	25	29

Aircraft Load Ratings
for
B717-100, 200, 300

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 61.4
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.10 (160 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 17.60, 2.44 3) 17.60, -2.44	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
543	9.4	8.7	8.9	9.2	9.4	8.9	8.9	9.1	9.4
310	7.0**	6.4	6.8	7.0*	7.6*	6.6	6.7	6.7	6.8

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
543	32	34	38	40	36	38	40	41
310	16	17	19	22	18	20	21	21

Aircraft Load Ratings
for
B720, 720B

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 86.0 Tandem = 142.0
Load on One Main Gear Leg (%): 47.8	Tire Pressure (MPa): 1.01 (145 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 15.44, 3.34 3) 15.44, -3.34	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1045	9.1	9.1	8.8	8.5	8.8*	8.9	8.6	8.2	7.8
700	7.0	7.0	6.8	7.0*	7.6*	7.0	6.6	6.2	6.0

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1045	28	30	37	49	24	29	35	41
700	17	18	21	28	15	17	20	24

Aircraft Load Ratings
for
B727-100, 100C

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 86.4
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.14 (165 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 16.23, 2.86 3) 16.23, -2.86	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
756	10.3	9.5	9.7	9.8	10.1	9.7	9.9	10.1	10.3
450	8.1**	7.2	7.6	7.8	8.6*	7.8	7.8	7.8	7.9

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
756	41	43	49	54	45	48	51	53
450	23	23	25	30	24	26	28	29

Aircraft Load Ratings
for
B727-200

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 86.4
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.15 (167 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 19.28, 2.86 3) 19.28, -2.86	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
770	10.4	9.6	9.7	9.9	10.2	9.8	9.9	10.2	10.4
450	8.1**	7.2	7.6	7.8	8.6*	7.8	7.8	7.8	7.9

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
770	42	44	50	55	47	50	52	54
450	23	23	25	30	25	26	28	29

Aircraft Load Ratings
for
B727-200 Advanced

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 86.4
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.19 (173 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 19.28, 2.86 3) 19.28, -2.86	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
934	11.3	10.4	10.5	10.7	10.9	10.5	10.7	11.0	11.3
450	8.3**	7.2	7.6	7.8	8.7*	7.8	7.8	7.9	8.0

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
934	53	57	64	69	60	63	66	69
450	23	23	26	30	25	26	28	30

Aircraft Load Ratings
for
B727-200F Advanced

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 86.4
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.15 (167 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 19.28, 2.86 3) 19.28, -2.86	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
907	11.2	10.2	10.4	10.5	10.8	10.4	10.6	10.9	11.2
450	8.1**	7.2	7.6	7.8	8.6*	7.8	7.8	7.8	7.9

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
907	52	54	61	66	57	60	63	66
450	23	23	25	30	25	26	28	29

Aircraft Load Ratings
for
B737-100

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 77.5
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.02 (148 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 10.46, 2.62 3) 10.46, -2.62	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
445	8.0**	7.4	7.7	7.8	8.3*	7.8	7.8	7.8	7.9
260	6.0**	5.4	5.8	6.4*	6.9*	5.6	5.6	5.6	5.5

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
445	23	23	26	30	25	26	28	29
260	12	12	14	16	13	14	15	16

Aircraft Load Ratings
for
B737-200, 200C, Advanced

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 77.5
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.26 (183 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 11.38, 2.62 3) 11.38, -2.62	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
572	9.4	8.4	8.7	9.0	9.4	8.9	9.0	9.1	9.4
300	7.0**	6.0	6.6	7.1*	7.8*	6.3	6.3	6.4	6.4

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
572	31	32	37	41	35	37	39	41
300	15	15	16	19	17	18	19	20

Aircraft Load Ratings
for
B737-300

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 77.5
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.40 (203 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 12.45, 2.62 3) 12.45, -2.62	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
623	9.9	8.7	9.0	9.4	9.8	9.3	9.4	9.6	9.9
325	7.6**	6.2	6.9	7.4	8.3*	6.7	6.7	6.8	6.9

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
623	35	37	41	45	40	42	44	46
325	16	17	18	21	19	20	21	22

Aircraft Load Ratings
for
B737-400

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 77.5
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.28 (186 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 14.27, 2.62 3) 14.27, -2.62	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
670	10.1	9.1	9.3	9.6	10.0	9.5	9.6	9.9	10.1
350	7.6**	6.5	7.0	7.4	8.2*	7.0	7.0	7.0	7.1

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
670	38	40	45	49	43	45	47	49
350	18	18	20	23	20	21	22	23

Aircraft Load Ratings
for
B737-500

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 77.5
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.34 (194 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 11.07, 2.62 3) 11.07, -2.62	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
596	9.6	8.5	8.9	9.2	9.6	9.1	9.2	9.4	9.6
320	7.4**	6.2	6.8	7.3	8.1*	6.6	6.7	6.7	6.7

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
596	33	35	39	43	38	40	42	43
320	16	16	18	21	18	19	20	21

Aircraft Load Ratings
for
B737-600

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 86.4
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.30 (188 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 11.23, 2.86 3) 11.23, -2.86	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
645	9.8	8.7	9.0	9.3	9.7	9.2	9.3	9.5	9.8
357	7.7**	6.3	6.9	7.5	8.3*	6.9	6.9	7.0	7.0

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
645	35	36	40	45	39	41	44	45
357	18	18	19	22	20	21	22	23

Aircraft Load Ratings
for
B737-700

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 86.4
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.39 (201 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 12.60, 2.86 3) 12.60, -2.86	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
690	10.2	9.0	9.3	9.6	10.0	9.5	9.7	9.9	10.2
370	8.0**	6.5	7.1	7.7	8.6*	7.1	7.1	7.2	7.3

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
690	38	40	44	49	43	46	48	50
370	18	19	20	23	21	22	23	24

Aircraft Load Ratings
for
B737-800

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 86.4
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.47 (213 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 15.60, 2.86 3) 15.60, -2.86	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
777	10.8	9.4	9.7	10.0	10.5	10.0	10.2	10.5	10.8
406	8.4**	6.7	7.4	7.8	8.9*	7.5	7.5	7.6	7.8

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
777	44	46	51	56	51	53	56	57
406	21	21	23	26	24	25	26	27

Aircraft Load Ratings
for
B737-900

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 86.4
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.47 (213 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 16.97, 2.86 3) 16.97, -2.86	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
777	10.8	9.4	9.7	10.0	10.5	10.0	10.2	10.5	10.8
420	8.5**	6.9	7.5	8.0	8.8*	7.7	7.7	7.8	7.9

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
777	44	46	51	56	51	53	56	57
420	21	22	24	28	24	26	27	28

Aircraft Load Ratings
for
B747-100, 100B, 100SF

Landing Gear Characteristics	
Number of Main Gear: 4	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 111.8 Tandem = 147.3
Load on One Main Gear Leg (%): 23.8	Tire Pressure (MPa): 1.55 (225 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 24.07, 5.50 3) 24.07, -5.50 4) 27.14, 1.92 5) 27.14, -1.92	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
3350	10.7	10.5	10.4	10.3	10.4	10.7	10.7	10.6	10.5
1700	8.7**	7.0	7.3	8.1	9.0*	7.8	7.5	7.2	7.2

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
3350	49	54	65	86	46	54	64	73
1700	21	22	25	32	20	22	25	29

Aircraft Load Ratings
for
B747-100SR

Landing Gear Characteristics	
Number of Main Gear: 4	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 111.8 Tandem = 147.3
Load on One Main Gear Leg (%): 23.8	Tire Pressure (MPa): 1.04 (151 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 24.07, 5.50 3) 24.07, -5.50 4) 27.14, 1.92 5) 27.14, -1.92	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
2690	9.7	9.7	9.3	8.9	9.4	9.6	9.3	8.9	8.6
1600	7.5**	6.9	6.5	7.4	8.1*	7.2	6.8	6.4	6.3

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
2690	36	38	46	64	29	35	43	50
1600	19	20	22	29	16	18	21	25

Aircraft Load Ratings
for
B747-200B, 200C, 200F, 200M

Landing Gear Characteristics	
Number of Main Gear: 4	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 111.8 Tandem = 147.3
Load on One Main Gear Leg (%): 23.8	Tire Pressure (MPa): 1.38 (200 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 24.07, 5.50 3) 24.07, -5.50 4) 27.14, 1.92 5) 27.14, -1.92	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
3720	11.2	11.2	11.0	10.8	10.7	11.0	11.0	11.0	10.8
1750	8.5**	7.2	7.3	8.0	8.8*	7.8	7.5	7.2	7.1

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
3720	55	62	76	98	51	61	72	82
1750	22	23	26	34	20	22	26	30

Aircraft Load Ratings
for
B747-300, 300M, 300SR

Landing Gear Characteristics	
Number of Main Gear: 4	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 111.8 Tandem = 147.3
Load on One Main Gear Leg (%): 23.8	Tire Pressure (MPa): 1.31 (190 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 24.07, 5.50 3) 24.07, -5.50 4) 27.14, 1.92 5) 27.14, -1.92	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
3720	11.2	11.2	11.0	10.8	10.6	11.0	11.0	10.9	10.7
1760	8.4**	7.2	7.3	7.9	8.8*	7.8	7.5	7.2	7.1

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
3720	55	62	76	98	50	60	71	82
1760	22	23	26	34	19	22	25	30

Aircraft Load Ratings
for
B747-400, 400F, 400M

Landing Gear Characteristics	
Number of Main Gear: 4	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 111.8 Tandem = 147.3
Load on One Main Gear Leg (%): 23.8	Tire Pressure (MPa): 1.38 (200 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 24.07, 5.50 3) 24.07, -5.50 4) 27.14, 1.92 5) 27.14, -1.92	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
3905	11.4	11.4	11.2	11.1	11.0	11.1	11.2	11.2	11.1
1800	8.6**	7.3	7.4	8.0	8.9*	8.0	7.6	7.3	7.2

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
3905	59	66	82	105	54	65	77	88
1800	23	24	27	35	20	23	27	31

Aircraft Load Ratings
for
B747-400D (Domestic)

Landing Gear Characteristics	
Number of Main Gear: 4	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 111.8 Tandem = 147.3
Load on One Main Gear Leg (%): 23.8	Tire Pressure (MPa): 1.04 (151 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 24.07, 5.50 3) 24.07, -5.50 4) 27.14, 1.92 5) 27.14, -1.92	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
2729	9.8	9.8	9.4	9.0	9.5	9.7	9.4	9.0	8.7
1782	7.9**	7.5	7.1	7.7	8.4*	7.7	7.3	6.9	6.7

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
2729	36	39	47	65	30	36	43	51
1782	22	23	26	34	18	20	24	29

Aircraft Load Ratings
for
B747-SP

Landing Gear Characteristics	
Number of Main Gear: 4	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 110.0 Tandem = 137.2
Load on One Main Gear Leg (%): 23.8	Tire Pressure (MPa): 1.26 (183 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 18.99, 5.50 3) 18.99, -5.50 4) 22.06, 1.92 5) 22.06, -1.92	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
3127	10.5	10.5	10.2	10.0	10.0	10.4	10.3	10.1	9.9
1500	7.8**	6.6	6.6	7.6	8.4*	7.2	6.8	6.5	6.4

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
3127	45	50	61	81	40	48	58	67
1500	18	19	21	28	16	18	21	25

Aircraft Load Ratings
for
B757-200 Series

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 86.4 Tandem = 114.3
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.24 (180 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 18.29, 3.66 3) 18.29, -3.66	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1134	9.7	9.6	9.4	9.2	9.3*	9.7	9.5	9.3	9.0
570	6.8**	6.1	6.3	6.9*	7.6*	6.5	6.2	5.8	5.6

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1134	34	38	47	60	32	39	45	52
570	14	15	17	23	13	15	18	20

Aircraft Load Ratings
for
B757-300

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 86.4 Tandem = 114.3
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.24 (180 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 22.35, 3.66 3) 22.35, -3.66	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1200	9.9	9.9	9.7	9.5	9.4	9.9	9.8	9.6	9.3
640	7.2**	6.6	6.7	7.2*	7.9*	7.1	6.7	6.3	6.1

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1200	36	41	51	64	35	42	49	56
640	16	17	20	27	15	17	21	24

Aircraft Load Ratings
for
B767-200

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 114.3 Tandem = 142.2
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.31 (190 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 19.69, 4.65 3) 19.69, -4.65	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1410	9.9	9.8	9.4	9.3	9.8	9.9	9.7	9.5	9.3
800	8.0**	6.7	6.8	7.7	8.6*	7.4	7.0	6.7	6.7

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1410	39	42	50	68	34	41	48	56
800	19	20	23	29	18	19	22	26

Aircraft Load Ratings
for
B767-200 ER

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 114.3 Tandem = 142.2
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.31 (190 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 19.69, 4.65 3) 19.69, -4.65	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1726	10.8	10.8	10.5	10.4	10.3	10.7	10.7	10.5	10.4
830	8.2**	6.9	7.0	7.8	8.7*	7.6	7.2	6.9	6.8

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1726	50	56	68	90	45	54	64	74
830	20	21	24	31	18	20	24	27

Aircraft Load Ratings
for
B767-300

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 114.3 Tandem = 142.2
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.38 (200 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 22.76, 4.65 3) 22.76, -4.65	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1566	10.4	10.3	10.0	9.8	10.1	10.4	10.3	10.1	9.9
860	8.4**	7.0	7.2	7.9	8.8*	7.8	7.4	7.1	7.1

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1566	44	49	59	79	40	48	57	65
860	21	22	25	33	19	22	25	29

Aircraft Load Ratings
for
B767-300 ER

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 114.3 Tandem = 142.2
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.38 (200 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 22.76, 4.65 3) 22.76, -4.65	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1784	10.9	10.9	10.7	10.5	10.1	10.8	10.9	10.8	10.6
890	8.5**	7.2	7.3	8.0	8.9*	7.9	7.6	7.3	7.2

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1784	53	59	72	94	48	57	68	78
890	22	23	26	35	20	23	26	31

Aircraft Load Ratings
for
B777-200

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 6
Main Gear Type: 3 Duals in Tandem (Twin-Tridem / Dual Tridem)	Gear Wheel Spacing (cm): Dual = 139.7 Tandem = 144.8 Wheel Co-Ordinates (cm): 1) 0, 0 2) 0, 139.7 3) 144.8, 0 4) 144.8, 139.7 5) 289.6, 0 6) 289.6, 139.7
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.38 (200 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 25.88, 5.49 3) 25.88, -5.49	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
2433	11.0	11.0	10.1	9.2	10.2	10.9	10.7	10.3	9.9
1400	8.7**	7.2	7.3	8.1	9.0*	8.4	7.8	7.4	7.3

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
2433	51	58	71	99	40	50	65	81
1400	25	27	31	43	23	23	28	35

Note: Flexible pavement ACN's are based on the standard ICAO six-wheel alpha factor of 0.788.

Aircraft Load Ratings
for
B777-200 ER

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 6
Main Gear Type: 3 Duals in Tandem (Twin-Tridem / Dual Tridem)	Gear Wheel Spacing (cm): Dual = 139.7 Tandem = 144.8 Wheel Co-Ordinates (cm): 1) 0, 0 2) 0, 139.7 3) 144.8, 0 4) 144.8, 139.7 5) 289.6, 0 6) 289.6, 139.7
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.38 (200 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 25.88, 5.49 3) 25.88, -5.49	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
2822	11.9	11.9	11.1	10.3	10.5	11.4	11.4	11.1	10.7
1425	8.8**	7.3	7.3	8.2	9.0*	8.5	7.9	7.4	7.4

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
2822	63	71	90	121	53	69	89	108
1425	25	27	32	44	23	25	31	39

Note: Flexible pavement ACN's are based on the standard ICAO six-wheel alpha factor of 0.788.

Aircraft Load Ratings
for
B777-200 X

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 6
Main Gear Type: 3 Duals in Tandem (Twin-Tridem / Dual Tridem)	Gear Wheel Spacing (cm): Dual = 139.7 Tandem = 144.8 Wheel Co-Ordinates (cm): 1) 0, 0 2) 0, 139.7 3) 144.8, 0 4) 144.8, 139.7 5) 289.6, 0 6) 289.6, 139.7
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.38 (200 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 25.88, 5.49 3) 25.88, -5.49	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
3278	12.9	12.9	12.2	11.5	10.9	11.6	12.1	11.8	11.5
1600	9.3**	8.1	7.5	8.4	9.3*	9.1	8.5	8.0	7.9

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
3278	78	90	114	148	61	80	104	126
1600	29	32	38	53	27	27	34	43

Note: Flexible pavement ACN's are based on the standard ICAO six-wheel alpha factor of 0.788.

Aircraft Load Ratings
for
B777-300

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 6
Main Gear Type: 3 Duals in Tandem (Twin-Tridem / Dual Tridem)	Gear Wheel Spacing (cm): Dual = 139.7 Tandem = 144.8 Wheel Co-Ordinates (cm): 1) 0, 0 2) 0, 139.7 3) 144.8, 0 4) 144.8, 139.7 5) 289.6, 0 6) 289.6, 139.7
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.48 (215 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 25.88, 5.49 3) 25.88, -5.49	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
2945	12.1	12.1	11.4	10.6	10.7	11.5	11.7	11.4	11.1
1600	9.4	8.0	7.5	8.5	9.4	9.1	8.6	8.1	8.0

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
2945	68	76	97	129	54	69	89	109
1600	30	32	38	53	27	28	35	43

Note: Flexible pavement ACN's are based on the standard ICAO six-wheel alpha factor of 0.788.

Aircraft Load Ratings
for
B777-300 X

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 6
Main Gear Type: 3 Duals in Tandem (Twin-Tridem / Dual Tridem)	Gear Wheel Spacing (cm): Dual = 139.7 Tandem = 144.8 Wheel Co-Ordinates (cm): 1) 0, 0 2) 0, 139.7 3) 144.8, 0 4) 144.8, 139.7 5) 289.6, 0 6) 289.6, 139.7
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.48 (215 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 25.88, 5.49 3) 25.88, -5.49	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
3190	12.7	12.7	12.0	11.3	10.9	11.6	12.0	11.8	11.5
1600	9.4	8.0	7.5	8.5	9.4	9.1	8.6	8.1	8.0

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
3190	76	86	110	143	61	79	101	122
1600	30	32	38	53	27	28	35	43

Note: Flexible pavement ACN's are based on the standard ICAO six-wheel alpha factor of 0.788.

Aircraft Load Ratings
for
BAC-111 Series 400

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 51.8
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.97 (141 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 10.15, 2.17 3) 10.15, -2.17	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
390	8.0	7.6	7.8	8.0	7.5*	7.7	7.7	7.8	8.0
220	5.8**	5.4	5.8	5.8*	----	5.4	5.4	5.4	5.4

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
390	23	24	27	29	26	27	28	29
220	11	12	13	15	13	14	14	15

Aircraft Load Ratings
for
BAC-111 Series 475

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 51.8
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.57 (83 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 10.08, 2.17 3) 10.08, -2.17	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
440	8.1	8.1	7.9	7.6	----	7.8	7.8	7.8	7.8
230	5.4	5.4	4.9*	4.5*	----	5.3	5.2	5.1	5.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
440	23	28	29	32	26	28	29	31
230	9	11	13	16	11	13	14	14

Aircraft Load Ratings
for
BAC-111 Series 500

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 51.8
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.10 (160 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 12.62, 2.17 3) 12.62, -2.17	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
467	9.1**	8.2	8.6	8.9	9.1*	8.4	8.5	8.7	9.0
250	6.5**	5.9	6.4	6.6*	7.0*	6.0	6.0	6.1	6.1

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
467	29	31	33	35	33	34	35	36
250	13	14	16	18	15	16	17	18

Aircraft Load Ratings
for
BAe-146-100

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 66.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.84 (122 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 10.09, 2.36 3) 10.09, -2.36	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
376	7.2	7.1	7.2	7.1*	7.4*	7.1	7.1	7.1	7.1
230	5.3**	5.2	5.3	5.6*	----	5.2	5.2	5.1	5.1

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
376	18	20	23	26	21	22	24	25
230	10	11	12	15	11	12	13	14

Aircraft Load Ratings
for
BAe-146-200

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 66.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.97 (141 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 11.20, 2.36 3) 11.20, -2.36	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
416	7.8**	7.5	7.7	7.8	8.0*	7.6	7.7	7.7	7.8
235	5.8**	5.3	5.7	6.0*	6.4*	5.4	5.4	5.4	5.3

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
416	22	23	26	29	24	26	27	29
235	11	12	13	15	12	13	14	15

Aircraft Load Ratings
for
BAe-146-300

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 66.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.10 (160 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 12.52, 2.36 3) 12.52, -2.36	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
436	8.3**	7.6	7.9	8.2	8.5*	7.9	8.0	8.1	8.2
245	6.2**	5.5	6.0	6.4*	7.0*	5.7	5.7	5.6	5.6

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
436	24	25	28	31	27	28	30	31
245	12	12	14	16	13	14	15	16

Aircraft Load Ratings
for
BAe-ATP

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 50.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.85 (123 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 9.60, 4.23 3) 9.60, -4.23	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
232	5.8	5.6	5.8	5.5*	----	5.6	5.6	5.6	5.6
140	4.1**	4.1	4.2*	4.5*	----	3.8	3.8*	3.7*	3.7*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
232	12	13	14	16	13	14	15	16
140	6	7	8	9	7	8	8	9

Aircraft Load Ratings
for
Beech 1900C, 1900D

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 31.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.67 (97 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 7.25, 2.61 3) 7.25, -2.61	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
76	2.9	2.9	----	----	----	2.2*	2.2*	2.2*	2.2*
47	1.7	1.7*	----	----	----	1.0*	0.9*	1.0*	0.9*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
76	3	4	4	5	4	5	5	5
56*	2	3	3	4	3	3	3	4

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Beech 2000 Starship

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 31.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.54 (78 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 6.86, 2.56 3) 6.86, -2.56	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
65	2.1	2.1*	----	----	----	1.7*	1.7*	1.6*	1.6*
44	0.9	0.9*	----	----	----	0.7*	0.7*	0.7*	0.7*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
65	2	3	4	4	3	4	4	4
56*	2	2	3	4	3	3	3	3

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Beech 35, 36 Series (Bonanza)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.28 (40 psi)
Gear Co-Ordinates (m): 35 Series 1) 0, 0 2) 2.13, 1.46 3) 2.13, -1.46 36 Series 1) 0, 0 2) 2.39, 1.46 3) 2.39, -1.46	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
16	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
10	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
16*	----	----	----	----	----	----	----	----
10*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Beech 55, 56, 58 Series (Baron)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.39 (56 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 2.72, 1.46 3) 2.72, -1.46	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
25	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
16	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
25*	----	----	----	----	----	----	----	----
16*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Beech Jet 400, 400A

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.86 (125 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 5.86, 1.42 3) 5.86, -1.42	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
73	4.0**	3.6	4.3*	4.6*	----	2.9*	3.1*	3.2*	3.3*
48	3.1**	2.9	3.5*	----	----	2.0*	2.0*	2.1*	2.2*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
73	6	7	7	7	6	6	6	7
56*	5	5	5	5	5	5	5	5

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Beech King Air 100, 200 Series

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 29.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.73 (106 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 4.56, 2.62 3) 4.56, -2.62	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
56	2.4	2.4*	----	----	----	1.5*	1.5*	1.5*	1.5*
36	1.2	1.2*	----	----	----	0.5*	0.4*	0.5*	0.5*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
56	2	3	3	4	3	3	4	4
56*	2	3	3	4	3	3	4	4

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Beech King Air 300, 300C, 350, 350C

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 29.0
Load on One Main Gear Leg (%): 45.6	Tire Pressure (MPa): 0.73 (106 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 4.56, 2.62 3) 4.56, -2.62	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
67	2.7	2.7	----	----	----	1.9*	1.9*	1.8*	1.8*
40	1.4	1.4*	----	----	----	0.6*	0.6*	0.6*	0.7*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
67	3	3	4	4	4	4	4	4
56*	2	3	3	4	3	3	3	4

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Beech King Air 90 Series

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.38 (55 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 3.75, 1.95 3) 3.75, -1.95	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
49	1.6	1.6*	----	----	----	1.4*	1.4*	1.5*	1.5*
27	0.6	0.6*	----	----	----	0.3*	0.2*	0.4*	0.4*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
49*	----	----	----	----	----	----	----	----
27*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Beech Queen Air 65, 70, 80 Series

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.33 (48 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 3.75, 1.95 3) 3.75, -1.95	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
40	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
25	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
40*	----	----	----	----	----	----	----	----
25*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Bombardier BD-700
(Global Express)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 54.9
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.21 (175 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 12.78, 2.03 3) 12.78, -2.03	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
432	8.8**	7.8	8.2	8.5	8.9*	8.1	8.2	8.4	8.6
220	6.3**	5.5	6.1	6.4*	7.0*	5.5	5.5	5.5	5.6

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
432	26	28	30	32	30	31	32	33
220	11	12	13	15	13	14	15	15

Aircraft Load Ratings
for
C-141B Starlifter
(Lockheed)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 82.6 Tandem = 121.9
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.31 (190 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 16.76, 2.67 3) 16.76, -2.67	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1553	11.1	11.1	11.0	10.9	10.8	10.8	10.9	10.9	10.8
600	7.1**	6.4	6.6	7.1*	7.9*	6.8	6.4	6.1	5.9

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1553	52	60	73	88	51	61	70	78
600	15	16	18	24	14	16	19	22

Aircraft Load Ratings
for
C-17A (Globemaster III)
(McDonnell Douglas)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 6
Main Gear Type: See Wheel Co-Ordinates	Gear Wheel Co-Ordinates (cm): 1) 0, 0 2) 0, -102.9 3) 246.4, -106.7 4) 246.4, -3.8 5) 276.5, 101.6 6) 29.2, 108.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.95 (138 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 20.05, 5.14 3) 20.05, -5.14	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
2602	11.7	11.7	11.2	10.7	10.1	10.6	10.3	10.1	10.3
2000	10.4	10.4	9.8	9.2	9.2*	9.4	9.0	8.9	9.1

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
2602	54	61	73	94	54	49	57	71
2000	38	42	50	65	41	38	40	48

Aircraft Load Ratings
for
C-5A Galaxy
(Lockheed)

Landing Gear Characteristics	
Number of Main Gear: 4	Wheels In Each Main Gear: 6
Main Gear Type: See Wheel Co-Ordinates	Gear Wheel Spacing (cm): Tandem = 162.6 Wheel Co-Ordinates (cm): 1) 0, 0 2) 0, -92.5 3) 0, 282.4 4) 0, 374.9 5) 162.6, 82.5 6) 162.6, 200.0
Load on One Main Gear Leg (%): 23.8	Tire Pressure (MPa): 0.73 (106 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 18.39, 4.23 3) 18.39, -4.23 4) 24.28, 4.23 5) 24.28, -4.23	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
3421	9.6	9.6	9.0	8.2	8.2*	7.8	7.3	7.1	7.2
1500	5.2	5.2	5.1*	5.6*	----	4.4	4.3	4.3*	4.3*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
3421	27	30	35	46	25	28	33	39
1500	10	11	12	15	10	11	12	13

Aircraft Load Ratings
for
C-123K Provider
(Fairchild/Republic)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.69 (100 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 7.46, 1.84 3) 7.46, -1.84	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
267	7.5**	6.5	7.1	7.5	7.7*	6.8	6.9	7.1	7.3
180	6.1**	5.3	5.9	6.4*	6.4*	5.5	5.6	5.7	5.8

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
267	20	22	24	25	21	21	22	22
180	13	15	16	17	14	14	15	15

Aircraft Load Ratings
for
Canadair CL-215, 415

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.55 (80 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 7.23, 2.64 3) 7.23, -2.64	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
196	5.9**	5.4	5.8	6.0*	----	5.6	5.6	5.7	5.8
130	4.5**	4.3	4.6*	4.8*	----	4.3	4.3	4.4*	4.4*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
196	12	15	17	18	14	14	15	15
130	8	10	11	12	9	10	10	10

Aircraft Load Ratings
for
Canadair CL-41A (CT-114 Tutor)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.37 (53 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 3.38, 2.01 3) 3.38, -2.01	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
49	1.6	1.6*	----	----	----	1.4*	1.4*	1.5*	1.5*
24	0.3	0.3*	----	----	----	0.0*	0.1*	0.1*	0.3*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
49*	----	----	----	----	----	----	----	----
24*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Cessna 114B (Commander)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.35 (50 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 2.11, 1.67 3) 2.11, -1.67	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
15	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
10	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
15*	----	----	----	----	----	----	----	----
10*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Cessna 152

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.20 (29 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 1.47, 1.16 3) 1.47, -1.16	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
8	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
5	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
8*	----	----	----	----	----	----	----	----
5*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Cessna 172 (Skyhawk)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.19 (28 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 1.63, 1.27 3) 1.63, -1.27	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
11	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
7	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
11*	----	----	----	----	----	----	----	----
7*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Cessna 180 (Skywagon)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.21 (30 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) NA, 1.13 3) NA, -1.13	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
13	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
8	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
13*	----	----	----	----	----	----	----	----
8*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Cessna 182 (Skylane)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.25 (36 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 1.69, 1.37 3) 1.69, -1.37	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
14	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
9	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
14*	----	----	----	----	----	----	----	----
9*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Cessna 185 (Skywagon)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.25 (36 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) NA, 1.13 3) NA, -1.13	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
15	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
8	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
15*	----	----	----	----	----	----	----	----
8*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Cessna 208 (Caravan)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.60 (87 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 3.54, 1.78 3) 3.54, -1.78	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
36	1.9	1.9*	----	----	----	1.0*	1.0*	1.2*	1.3*
18	0.8	0.8*	----	----	----	----	----	----	0.1*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
36*	----	----	----	----	----	----	----	----
18*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Cessna 210 (Centurion)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.38 (55 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 1.83, 1.32 3) 1.83, -1.32	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
18	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
11	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
18*	----	----	----	----	----	----	----	----
11*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Cessna 310

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.42 (60 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 2.80, 1.80 3) 2.80, -1.80	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
25	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
16	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
25*	----	----	----	----	----	----	----	----
16*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Cessna 337 (Skymaster)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.38 (55 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 2.39, 1.25 3) 2.39, -1.25	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
21	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
14	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
21*	----	----	----	----	----	----	----	----
14*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Cessna 401

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.45 (65 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 3.20, 2.23 3) 3.20, -2.23	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
28	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
20	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
28*	----	----	----	----	----	----	----	----
20*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Cessna 402C, 414A (Chancellor)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.48 (70 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 3.19, 2.74 3) 3.19, -2.74	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
31	1.2	1.2*	----	----	----	1.0*	1.0*	1.0*	1.0*
19	0.4	0.4*	----	----	----	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
31*	----	----	----	----	----	----	----	----
19*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Cessna 421 (Golden Eagle)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.55 (80 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 3.18, 2.74 3) 3.18, -2.74	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
34	1.7	1.7*	----	----	----	1.0*	1.0*	1.0*	1.1*
22	1.0	1.0*	----	----	----	----	0.1*	0.2*	0.3*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
34*	----	----	----	----	----	----	----	----
22*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Cessna 441 (Conquest II)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (Mpa): 0.66 (96 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 3.81, 2.14 3) 3.81, -2.14	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
44	2.6	2.3*	2.6*	----	----	1.6*	1.6*	1.7*	1.8*
26	1.5	1.5*	1.0*	----	----	0.5*	0.5*	0.6*	0.8*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
44*	----	----	----	----	----	----	----	----
26*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Cessna 501 (Citation I - Eagle)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.69 (100 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 4.78, 1.92 3) 4.78, -1.92	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
56	2.9**	2.8	3.3*	----	----	2.2*	2.3*	2.3*	2.4*
30	1.9	1.9*	1.0*	----	----	0.8*	0.8*	0.9*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
56	4	5	5	5	5	5	5	5
56*	4	5	5	5	5	5	5	5

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Cessna 525 (Citation Jet)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.68 (99 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 4.67, 1.98 3) 4.67, -1.98	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
47	2.6**	2.5	2.9*	----	----	1.8*	1.8*	1.9*	1.9*
29	1.8	1.8*	----	----	----	0.7*	0.7*	0.9*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
47*	----	----	----	----	----	----	----	----
29*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Cessna 550 (Citation II)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.69 (100 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 5.55, 2.68 3) 5.55, -2.68	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
64	3.1**	3.0	3.4*	----	----	2.5*	2.6*	2.7*	2.8*
35	2.0	2.0*	----	----	----	1.0*	1.1*	1.2*	1.4*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
64	5	5	6	6	5	5	5	5
56*	4	5	5	5	5	5	5	5

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Cessna 550 (Citation Bravo)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.69 (100 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 5.64, 2.03 3) 5.64, -2.03	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
67	3.2**	3.1	3.6*	----	----	2.6*	2.7*	2.8*	2.9*
39	2.5	2.2*	2.5*	----	----	1.3*	1.3*	1.5*	1.6*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
67	5	6	6	6	5	6	6	6
56*	4	5	5	5	5	5	5	5

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Cessna 560 (Citation V)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.69 (100 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 6.06, 2.68 3) 6.06, -2.68	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
72	3.4**	3.2	3.7*	----	----	2.8*	2.9*	3.0*	3.1*
40	2.5	2.2*	2.5*	----	----	1.4*	1.4*	1.5*	1.6*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
72	5	6	6	7	6	6	6	6
56*	4	5	5	5	5	5	5	5

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Cessna 561 XL (Citation Excel)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.05 (152 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 6.67, 2.27 3) 6.67, -2.27	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
90	5.0**	4.2	5.0*	5.6*	----	3.7*	3.8*	3.9*	4.1*
51	3.6**	3.3	4.0*	4.3*	----	2.2*	2.3*	2.4*	2.5*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
90	8	8	8	9	8	8	8	8
56*	5	5	5	5	5	5	5	5

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Cessna 650 (Citation III, VI)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 27.0
Load on One Main Gear Leg (%): 47.0	Tire Pressure (MPa): 1.02 (148 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 6.50, 1.42 3) 6.50, -1.42	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
99	4.4**	4.2	4.5*	----	----	3.3*	3.3*	3.3*	3.4*
53	3.0	3.0	2.5*	----	----	1.5*	1.5*	1.6*	1.6*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
99	6	6	7	7	7	7	7	7
56*	3	3	3	4	3	4	4	4

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Cessna 650 (Citation VII)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 27.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.16 (168 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 6.50, 1.44 3) 6.50, -1.44	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
104	4.9**	4.5	4.9*	4.6*	----	3.5*	3.6*	3.6*	3.7*
62	3.5	3.5	3.3*	----	----	2.0*	2.1*	2.1*	2.1*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
104	6	7	7	8	7	8	8	8
62	3	3	4	4	4	4	4	5

Aircraft Load Ratings
for
Cessna 750 (Citation X)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 30.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.16 (168 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 8.74, 1.62 3) 8.74, -1.62	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
160	6.0**	5.3	5.9*	6.1*	----	4.9	5.0	5.0	5.1
96	4.5**	4.2	4.6*	4.4*	----	3.2*	3.2*	3.3*	3.3*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
160	10	11	12	12	12	12	13	13
96	5	6	6	7	6	7	7	7

Aircraft Load Ratings
for
Cessna Conquest

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.59 (86 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 3.20, 2.65 3) 3.20, -2.65	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
45	2.4	2.2*	2.4*	----	----	1.5*	1.6*	1.6*	1.8*
26	1.3	1.3*	----	----	----	0.4*	0.4*	0.5*	0.7*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
45*	----	----	----	----	----	----	----	----
26*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Cessna T303 (Crusader)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.40 (57 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 2.29, 1.91 3) 2.29, -1.91	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
23	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
15	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
23*	----	----	----	----	----	----	----	----
15*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
CF-18

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 40.0	Tire Pressure (MPa): 1.38 (200 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 5.42, 1.56 3) 5.42, -1.56	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
249	8.4**	6.0	7.0	7.9	8.8*	6.6	6.8	7.0	7.3
110	5.8**	4.5	5.6	6.3*	6.9*	4.0	4.1	4.2*	4.4*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
249	21	20	20	20	21	21	21	21
110	9	9	9	9	9	9	9	9

Aircraft Load Ratings
for
Challenger CL 600, 601

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 38.0
Load on One Main Gear Leg (%): 46.0	Tire Pressure (MPa): 0.90 (131 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 7.99, 1.59 3) 7.99, -1.59	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
192	5.6	5.3	5.6	5.4*	----	5.1	5.1	5.1	5.2
131	4.4**	4.3	4.4*	4.4*	----	3.8	3.8*	3.7*	3.7*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
192	10	11	13	14	12	13	13	14
131	6	7	8	9	8	8	8	9

Aircraft Load Ratings
for
Challenger CL 600, 601

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 38.0
Load on One Main Gear Leg (%): 46.0	Tire Pressure (MPa): 1.50 (218 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 7.99, 1.59 3) 7.99, -1.59	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
192	6.8**	5.6	6.4	6.9*	7.2*	5.4	5.4	5.5	5.6
131	5.6	4.9	5.6	5.5*	----	4.0	4.1*	4.1*	4.1*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
192	11	12	13	14	14	14	14	15
131	7	7	8	9	9	9	9	10

Aircraft Load Ratings
for
Challenger CL 601-3R

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 38.0
Load on One Main Gear Leg (%): 46.0	Tire Pressure (MPa): 1.42 (206 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 7.99, 1.59 3) 7.99, -1.59	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
201	6.8**	5.7	6.5	6.9*	7.2*	5.5	5.6	5.7	5.8
131	5.5	4.8	5.5	5.2*	----	4.0	4.0*	4.1*	4.1*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
201	12	12	14	14	14	15	15	15
131	7	7	8	9	9	9	9	9

Aircraft Load Ratings
for
Challenger CL 604

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 38.0
Load on One Main Gear Leg (%): 46.0	Tire Pressure (MPa): 1.42 (206 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 7.99, 1.59 3) 7.99, -1.59	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
212	7.0**	5.8	6.5	7.1*	7.3*	5.7	5.8	5.9	6.0
140	5.6	5.0	5.6	5.5*	----	4.2	4.3	4.3*	4.3*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
212	12	13	14	15	15	15	16	16
140	7	8	9	10	9	10	10	10

Aircraft Load Ratings
for
Concorde

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 67.8 Tandem = 166.9
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.29 (187 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 18.19, 3.86 3) 18.19, -3.86	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1824	12.0	11.7	11.8	11.9	12.0	11.2	11.4	11.4	11.4
1000	9.1**	8.9	9.0	9.1	9.1*	8.9	8.6	8.4	8.3

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1824	65	72	81	97	60	71	81	91
1000	28	31	37	44	27	30	35	41

Aircraft Load Ratings
for
Convair 240

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 55.0
Load on One Main Gear Leg (%): 46.0	Tire Pressure (MPa): 0.64 (93 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 7.57, 3.81 3) 7.57, -3.81	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
190	4.5	4.5	4.1*	4.3*	----	4.5	4.4	4.3*	4.2*
125	3.3**	3.3	3.3*	----	----	3.1*	3.0*	2.9*	2.8*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
190	7	9	10	12	9	10	10	11
125	5	5	6	7	5	6	6	7

Aircraft Load Ratings
for
Convair 340, 440, 540

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 62.0
Load on One Main Gear Leg (%): 47.0	Tire Pressure (MPa): 0.47 (68 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 7.98, 3.81 3) 7.98, -3.81	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
222	4.8	4.8	3.8*	----	----	4.7	4.6	4.4*	4.2*
140	3.2	3.0	2.8*	----	----	3.2*	3.0*	2.9*	2.7*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
222	7	9	11	14	9	10	11	12
140	4	5	6	8	5	6	7	7

Aircraft Load Ratings
for
Convair 580

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 62.0
Load on One Main Gear Leg (%): 47.0	Tire Pressure (MPa): 0.59 (85 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 7.97, 3.81 3) 7.97, -3.81	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
280	5.9	5.9	5.5	5.2*	----	5.8	5.7	5.6	5.4
150	3.6	3.6	3.5*	----	----	3.5*	3.4*	3.3*	3.2*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
280	11	13	15	19	13	14	16	17
150	5	6	7	9	6	7	8	8

Aircraft Load Ratings
for
Convair 600

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 54.0
Load on One Main Gear Leg (%): 45.8	Tire Pressure (MPa): 0.73 (106 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 7.57, 3.81 3) 7.57, -3.81	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
210	5.0	5.0	4.9*	5.0*	----	4.9	4.9	4.9	4.7*
140	3.8	3.8	3.7*	----	----	3.5*	3.5*	3.4*	3.3*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
210	9	10	11	14	10	11	12	13
140	5	6	7	8	6	7	8	8

Aircraft Load Ratings
for
Convair 640

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 61.0
Load on One Main Gear Leg (%): 45.8	Tire Pressure (MPa): 0.52 (75 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 7.98, 3.81 3) 7.98, -3.81	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
245	5.2	5.2	4.4*	4.2*	----	5.1	5.0	4.8	4.7*
140	3.2	3.1	3.0*	----	----	3.2*	3.1*	2.9*	2.8*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
245	8	11	12	15	10	12	13	14
140	4	5	6	8	5	6	7	7

Aircraft Load Ratings
for
Convair 880

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 55.0 Tandem = 114.0
Load on One Main Gear Leg (%): 46.6	Tire Pressure (MPa): 1.03 (149 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 16.18, 2.87 3) 16.18, -2.87	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
860	9.1	9.1	8.9	8.9	8.2*	8.8	8.6	8.4	8.1
400	5.7	5.5	5.7	5.7*	----	5.3	5.0	4.6	4.4*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
860	27	31	36	44	26	31	36	40
400	10	10	12	16	9	11	13	14

Aircraft Load Ratings
for
Convair 990

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 61.0 Tandem = 118.0
Load on One Main Gear Leg (%): 48.5	Tire Pressure (MPa): 1.28 (186 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 17.45, 3.03 3) 17.45, -3.03	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1135	10.3	10.2	10.2	10.2	10.3	10.1	10.1	10.0	9.9
600	7.6**	7.1	7.4	7.5	7.9*	7.3	7.0	6.7	6.4

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1135	40	46	53	64	41	47	54	60
600	17	18	22	28	17	19	23	26

Aircraft Load Ratings
for
Canadair Regional Jet - 100, 200 Series

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 44.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.12 (162 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 11.41, 1.59 3) 11.41, -1.59	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
236	6.7**	5.9	6.5	6.7*	6.9*	6.0	6.0	6.0	6.1
135	4.9**	4.5	4.9*	5.2*	----	3.9	4.0*	4.0*	4.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
236	13	14	16	17	16	16	17	18
135	7	7	8	9	8	9	9	9

Aircraft Load Ratings
for
Canadair Regional Jet - 700 Series

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 61.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.24 (180 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 14.27, 2.04 3) 14.27, -2.04	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
335	7.7**	6.7	7.2	7.6	8.0*	7.0	7.1	7.2	7.3
195	5.9**	5.1	5.7	6.2*	6.7*	5.0	5.0	5.0	5.0

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
335	18	19	21	24	21	22	23	24
195	10	10	11	13	11	12	12	13

Aircraft Load Ratings
for
Canadair Regional Jet - 900, 900ER Series

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 61.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.24 (180 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 14.73, 2.04 3) 14.73, -2.04	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
367	8.0**	7.0	7.5	7.9	8.3*	7.4	7.4	7.5	7.7
215	6.2**	5.4	5.9	6.4*	7.0*	5.3	5.3	5.3	5.4

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
367	20	21	24	26	23	25	26	27
215	11	11	12	14	12	13	14	14

Aircraft Load Ratings
for
Dassault Falcon 10

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 24.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.93 (135 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 5.38, 1.43 3) 5.38, -1.43	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
84	3.9**	3.8	3.9*	----	----	2.8*	2.9*	2.9*	3.0*
50	2.8	2.8	----	----	----	1.4*	1.4*	1.5*	1.5*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
84	5	5	6	6	6	6	6	6
56*	3	3	4	4	4	4	4	4

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Dassault Falcon 20

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 24.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.92 (133 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 5.74, 1.85 3) 5.74, -1.85	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
128	5.1**	4.6	5.1*	4.3*	----	4.2	4.3	4.3*	4.4*
75	3.6	3.6	3.4*	----	----	2.5*	2.6*	2.6*	2.6*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
128	8	9	9	10	10	10	10	10
75	4	4	5	5	5	5	6	6

Aircraft Load Ratings
for
Dassault Falcon 50

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 38.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.93 (135 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 7.24, 1.99 3) 7.24, -1.99	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
173	5.5	5.1	5.5	5.3*	----	4.8	4.9	4.9	4.9*
90	3.6	3.6	3.5*	----	----	2.7*	2.7*	2.7*	2.7*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
173	9	10	12	13	11	12	12	13
90	4	5	5	6	5	5	6	6

Aircraft Load Ratings
for
Dassault Falcon 900

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 42.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.30 (189 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 7.93. 2.22 3) 7.93, -2.22	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
202	6.6**	5.6	6.3	6.7*	7.0*	5.5	5.6	5.6	5.7
103	4.6**	4.3	4.6*	5.0*	----	3.2*	3.2*	3.2*	3.3*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
202	11	12	14	15	14	14	15	15
103	5	5	6	7	6	7	7	7

Aircraft Load Ratings
for
DC-10-10, 10CF, 15

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 137.2 Tandem = 162.6
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.34 (194 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 22.07, 5.33 3) 22.07, -5.33	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
2037	11.0	11.0	10.8	10.5	10.7	10.9	10.9	10.8	10.7
1035	9.1**	7.3	7.4	8.3	9.2*	8.1	7.8	7.6	7.6

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
2037	57	62	74	101	49	58	69	81
1035	25	26	29	37	23	24	28	32

Aircraft Load Ratings
for
DC-10-20, 20CF, 30CF, 40CF

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 137.2 Tandem = 162.6
Load on One Main Gear Leg (%): 41.4	Tire Pressure (MPa): 1.14 (165 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 22.07, 5.33 3) 21.25, 0 4) 22.07, -5.33 Note: Has 3 main gears, with one dual-wheeled gear on the centerline of the fuselage.	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
2485	11.5	11.5	11.1	10.8	10.7	11.0	11.1	10.9	10.7
1640	9.7	9.3	8.8	8.9	9.7	9.5	9.1	8.8	8.7

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
2485	60	67	81	110	49	59	72	85
1640	36	38	44	61	30	34	41	48

Aircraft Load Ratings
for
DC-10-30, 30ER, 40

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 137.2 Tandem = 162.6
Load on One Main Gear Leg (%): 39.0	Tire Pressure (MPa): 1.22 (177 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 22.07, 5.33 3) 21.25, 0 4) 22.07, -5.33 Note: Has 3 main gears, with one dual-wheeled gear on the centerline of the fuselage.	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
2593	11.3	11.3	11.0	10.7	10.7	11.0	11.0	10.9	10.8
1220	8.7**	7.2	7.1	8.1	8.9*	7.9	7.5	7.3	7.3

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
2593	59	65	79	107	50	59	72	84
1220	24	25	27	35	21	23	26	30

Aircraft Load Ratings
for
DC-3

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 46.8	Tire Pressure (MPa): 0.31 (45 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 11.56, 2.82 3) 11.56, -2.82	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
147	4.0	4.0	3.5*	----	----	4.0	4.0*	3.9*	3.9*
80	2.4	2.3*	----	----	----	2.4*	2.4*	2.4*	2.3*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
147	7	7	10	12	8	8	9	9
80	4	4	5	7	4	5	5	5

Aircraft Load Ratings
for
DC-4

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 74.0
Load on One Main Gear Leg (%): 46.8	Tire Pressure (MPa): 0.53 (77 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 8.36, 3.76 3) 8.36, -3.76	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
335	6.3	6.3	5.7	5.4*	----	6.1	6.0	5.9	5.7
200	4.2	4.1	3.9*	----	----	4.2	4.1	3.9*	3.7*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
335	12	15	17	21	14	16	17	19
200	6	8	9	11	7	8	9	10

Aircraft Load Ratings
for
DC-6, 6B

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 78.0
Load on One Main Gear Leg (%): 44.0	Tire Pressure (MPa): 0.73 (106 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 11.02, 3.76 3) 11.02, -3.76	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
480	7.7	7.7	7.6	7.3	7.4*	7.6	7.5	7.5	7.5
300	5.7	5.6	5.5	5.7*	----	5.7	5.7	5.6	5.5

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
480	20	23	25	30	22	24	26	28
300	11	13	14	17	12	14	15	16

Aircraft Load Ratings
for
DC-7 (All Models)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 76.2
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.89 (129 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 12.04, 5.28 3) 12.04, -5.28	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
640	9.4	9.1	9.1	9.2	9.0*	9.1	9.1	9.3	9.4
400	7.3	7.1	7.2	7.1*	7.7*	7.3	7.2	7.2	7.2

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
640	34	36	42	46	37	40	42	44
400	19	20	23	27	21	23	24	26

Aircraft Load Ratings
for
DC-8-10, 20 Series

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 76.2 Tandem = 139.7
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.01 (146 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 17.53, 3.17 3) 17.53, -3.17	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1226	10.1	10.1	9.9	9.7	9.3*	9.8	9.6	9.3	9.0
600	6.6**	6.5	6.5	6.7*	7.3*	6.5	6.1	5.7	5.5

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1226	36	41	49	62	32	39	46	53
600	15	15	18	23	14	15	17	20

Aircraft Load Ratings
for
DC-8-43, 55, 61, 71

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 76.2 Tandem = 139.7
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.30 (189 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 17.53, 3.17 3) 17.53, -3.17	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1470	10.8	10.8	10.7	10.7	10.7	10.6	10.6	10.5	10.4
800	8.3**	7.8	7.9	8.0	8.6*	8.0	7.7	7.4	7.1

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1470	47	54	64	79	45	54	63	71
800	21	23	27	35	20	23	27	31

Aircraft Load Ratings
for
DC-8-61F, 63F

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 76.2 Tandem = 139.7
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.32 (191 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 23.62, 3.17 3) 23.62, -3.17	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1557	11.1	11.1	11.0	11.0	11.0	10.8	10.9	10.8	10.7
1001	9.0	8.9	8.9	8.9	9.0*	9.0	8.8	8.5	8.3

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1557	51	59	69	85	50	59	68	77
1001	28	31	37	47	27	31	37	42

Aircraft Load Ratings
for
DC-8-62, 62F, 63, 72, 73

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 81.3 Tandem = 139.7
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.35 (196 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 23.62, 3.17 3) 23.62, -3.17	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1593	11.1	11.1	11.0	11.0	11.0	10.8	10.9	10.8	10.7
800	8.3**	7.6	7.7	7.9	8.7*	7.9	7.6	7.3	7.1

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1593	52	59	70	87	50	59	69	77
800	21	23	26	34	20	23	27	31

Aircraft Load Ratings
for
DC-9-10, 15

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 61.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.93 (135 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 13.31, 2.50 3) 13.31, -2.50	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
404	7.8	7.5	7.7	7.8	7.6*	7.6	7.6	7.7	7.8
300	6.5**	6.3	6.5	6.6*	7.0*	6.4	6.4	6.4	6.4

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
404	22	23	26	29	24	26	27	28
300	15	16	18	21	17	18	19	20

Aircraft Load Ratings
for
DC-9-21

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 61.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.02 (148 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 13.31, 2.50 3) 13.31, -2.50	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
445	8.3	7.9	8.1	8.3	8.3*	8.0	8.1	8.2	8.3
300	6.7**	6.3	6.6	6.8*	7.3*	6.5	6.5	6.5	6.5

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
445	25	26	30	32	28	29	31	32
300	15	16	18	21	17	18	20	20

Aircraft Load Ratings
for
DC-9-30, 32

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 63.5
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.05 (152 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 16.21, 2.50 3) 16.21, -2.50	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
485	8.7	8.2	8.4	8.6	8.6*	8.3	8.4	8.5	8.7
300	6.6	6.2	6.6	6.4*	7.4*	6.4	6.5	6.5	6.5

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
485	27	29	33	35	31	32	34	35
300	15	16	18	21	17	18	19	20

Aircraft Load Ratings
for
DC-9-41, 50, 51

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 66.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.17 (170 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 18.57, 2.44 3) 18.57, -2.44	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
543	9.3	8.5	8.8	9.1	9.3	8.8	8.9	9.1	9.3
300	6.8**	6.1	6.6	6.8*	7.7*	6.5	6.5	6.5	6.6

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20543
543	31	33	37	40	35	37	39	40
300	15	16	18	20	17	18	19	20

Aircraft Load Ratings
for
DHC1 Chipmunk

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.21 (30 psi)
Gear Co-Ordinates (m): 1) 0, 1.33 2) 0, -1.33 3) 5.50, 0	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
10	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
7	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
10*	----	----	----	----	----	----	----	----
7*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
DHC2 Beaver

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.17 (25 psi)
Gear Co-Ordinates (m): 1) 0, 1.55 2) 0, -1.55 3) 6.94, 0	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
25	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
14	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
24*	----	----	----	----	----	----	----	----
14*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
DHC3 Otter

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.20 (29 psi)
Gear Co-Ordinates (m): 1) 0, 1.71 2) 0, -1.71 3) 8.49, 0	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
36	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
20	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
36*	----	----	----	----	----	----	----	----
20*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
DHC4 Caribou

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 51.0
Load on One Main Gear Leg (%): 43.0	Tire Pressure (MPa): 0.28 (41 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 7.82, 3.52 3) 7.82, -3.52	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
130	2.5	1.6*	----	----	----	2.5*	2.4*	2.1*	1.9*
90	1.5	0.7*	----	----	----	1.5*	1.3*	1.1*	0.9*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
130	3	3	5	7	4	4	5	6
90	2	2	3	4	2	3	3	4

Aircraft Load Ratings
for
DHC5 Buffalo

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 51.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.41 (59 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 8.48, 4.64 3) 8.48, -4.64	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
187	4.3	4.3	3.2*	----	----	4.3	4.2	4.0*	3.8*
115	2.7	2.5*	----	----	----	2.7*	2.6*	2.5*	2.3*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
187	6	8	10	12	8	9	10	11
115	3	4	5	7	4	5	6	6

Aircraft Load Ratings
for
DHC6 Twin Otter Series 300

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.26 (38 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 4.53, 1.86 3) 4.53, -1.86	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
56	1.5	1.1*	----	----	----	1.5*	1.4*	1.4*	1.4*
35	0.6*	0.2*	----	----	----	0.5*	0.5*	0.5*	0.6*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
56	3	3	3	5	3	3	3	4
56*	3	3	3	5	3	3	3	4

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
DHC7 Dash 7

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 42.0
Load on One Main Gear Leg (%): 46.8	Tire Pressure (MPa): 0.74 (107 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 8.38, 3.58 3) 8.38, -3.58	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
209	5.5	5.4	5.5	5.1*	----	5.2	5.2	5.2	5.2
120	3.8	3.8	3.2*	----	----	3.3*	3.3*	3.3*	3.2*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
209	10	12	13	15	12	13	14	14
120	5	6	7	8	6	7	7	8

Aircraft Load Ratings
for
DHC8 Dash 8

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 49.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.44 (64 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 7.95, 3.93 3) 7.95, -3.93	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
147	3.6	3.5	2.7*	----	----	3.6*	3.5*	3.3*	3.2*
90	2.1	1.9*	----	----	----	2.1*	2.0*	1.9*	1.7*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
147	5	6	8	9	6	7	8	8
90	3	3	4	5	3	4	4	5

Aircraft Load Ratings
for
DHC8 Dash 8 Series 100

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 42.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.90 (131 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 7.95, 3.93 3) 7.95, -3.93	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
154	4.8**	4.6	4.9*	4.9*	----	4.3	4.3	4.3*	4.3*
98	3.6	3.6	3.3*	----	----	2.8*	2.8*	2.8*	2.8*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
154	8	8	9	11	9	10	10	11
98	5	5	5	6	5	6	6	6

Aircraft Load Ratings
for
DHC8 Dash 8 Series 300

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 49.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.80 (116 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 10.01, 3.93 3) 10.01, -3.93	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
183	4.9**	4.8	4.9*	5.0*	----	4.7	4.7	4.6	4.6*
110	3.5	3.5	3.4*	----	----	3.0*	3.0*	2.9*	2.9*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
183	9	9	11	12	10	11	11	12
110	5	5	6	7	5	6	6	7

Aircraft Load Ratings
for
DHC8 Dash 8 Series 400

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 50.1
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.90 (131 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 8.48, 3.93 3) 8.48, -3.93	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
279	6.6	6.3	6.6	6.5*	6.7*	6.3	6.3	6.4	6.4
150	4.5**	4.4	4.5*	4.9*	----	4.1	4.0*	4.0*	4.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
279	15	16	18	20	17	18	19	20
150	7	8	8	10	8	9	9	10

Aircraft Load Ratings
for
DHC8 Dash 8 Series 400

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 50.1
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.42 (206 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 8.48, 3.93 3) 8.48, -3.93	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
279	7.5**	6.2	7.0	7.5	7.9*	6.5	6.6	6.7	6.8
150	5.6**	4.8	5.5	5.9*	6.4*	4.2	4.3	4.2*	4.3*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
279	15	16	18	20	18	19	20	21
150	8	8	8	10	9	9	10	10

Aircraft Load Ratings
for
DHS-2 Conair Firecat

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 48.8	Tire Pressure (MPa): 0.62 (90 psi)
Gear Co-Ordinates (m): Not Available	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
115.6	4.5**	4.1	4.6*	4.9*	----	4.1	4.2	4.2*	4.3*
80.0	3.5**	3.4	3.8*	----	----	3.0*	3.1*	3.2*	3.3*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
115.6	8	10	10	11	9	9	10	10
80.0	6	7	7	8	6	6	7	7

Aircraft Load Ratings
for
Dornier 228 Series

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.90 (131 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 6.29, 1.65 3) 6.29, -1.65	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
63	3.7**	3.4	4.1*	4.4*	----	2.6*	2.7*	2.8*	3.0*
32	2.7	2.3*	2.7*	----	----	1.0*	1.1*	1.2*	1.4*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
63	5	6	6	6	6	6	6	6
56*	5	5	5	5	5	5	5	5

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Dornier 328 Jet

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 41.0
Load on One Main Gear Leg (%): 46.4	Tire Pressure (MPa): 1.13 (164 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 7.42, 1.61 3) 7.42, -1.61	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
155	5.4**	4.8	5.4	5.5*	----	4.4	4.4	4.4*	4.5*
93	3.2	3.9	3.8*	4.2*	----	2.7*	2.8*	2.8*	2.8*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
155	8	8	10	11	10	10	11	11
93	4	5	5	6	5	6	6	6

Aircraft Load Ratings
for
Dornier 328-110 (Turboprop)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 41.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.80 (116 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 7.42, 1.61 3) 7.42, -1.61	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
138	4.3	4.3	4.2*	4.2*	----	3.9	3.9*	3.9*	3.8*
90	3.2	3.2	3.2*	----	----	2.6*	2.6*	2.5*	2.5*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
138	7	7	8	10	8	8	9	9
90	4	4	5	6	5	5	5	6

Aircraft Load Ratings
for
Dornier SA227
(Metro 23, Merlin 23, Expediter 23)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 29.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.73 (106 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 5.83, 2.29 3) 5.83, -2.29	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
74	3.0	3.0	2.4*	----	----	2.3*	2.3*	2.3*	2.2*
43	1.8	1.8*	----	----	----	0.9*	0.8*	0.9*	0.8*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
74	3	4	4	5	4	5	5	5
56*	2	3	3	4	3	3	4	4

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Douglas A-26 Invader

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.48 (70 psi) (Assumed)
Gear Co-Ordinates (m): Base = 4.06 m	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
120	4.1**	3.9	4.2*	----	----	3.9	4.0*	4.0*	4.0*
90	3.3**	3.2	3.5*	----	----	3.1*	3.1*	3.2*	3.2*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
120	7	8	10	11	8	9	9	9
90	5	6	7	8	6	6	7	7

Aircraft Load Ratings
for
Douglas B-26 Invader

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.48 (70 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 0.71, 0.55 3) 0.71, -0.55	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
156	4.9**	4.6	4.9*	4.8*	----	4.7	4.8	4.8	4.8*
105	3.7**	3.6	3.8*	----	----	3.5*	3.6*	3.6*	3.6*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
156	9	11	13	14	10	11	11	12
105	6	7	9	9	7	7	8	8

Aircraft Load Ratings
for
Embraer EMB-110 (Bandeirante)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.62 (90 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 5.10, 2.47 3) 5.10, -2.47	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
59	2.8**	2.8	3.2*	----	----	2.2*	2.3*	2.4*	2.4*
35	1.9	1.9*	----	----	----	1.0*	1.1*	1.1*	1.3*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
59	4	5	5	5	5	5	5	5
56*	4	5	5	5	4	4	5	5

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Embraer EMB-120 (Brasilia)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 40.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.76 (110 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 6.97, 3.29 3) 6.97, -3.29	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
119	3.9	3.9	3.3*	----	----	3.4*	3.4*	3.4*	3.3*
71	2.7	2.7	2.5*	----	----	1.9*	1.9*	1.8*	1.8*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
119	5	6	7	8	7	7	7	8
71	3	3	4	4	4	4	4	4

Aircraft Load Ratings
for
Embraer ERJ-145

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 40.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.90 (130 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 14.45, 2.05 3) 14.45, -2.05	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
217	6.0	5.7	6.0	5.9*	----	5.6	5.6	5.7	5.7
110	3.9	3.9	3.7*	----	----	3.2*	3.2*	3.2*	3.2*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
217	12	13	15	16	14	15	15	16
110	5	6	6	7	6	7	7	7

Aircraft Load Ratings
for
Fokker 50

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 45.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.59 (86 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 9.70, 3.60 3) 9.70, -3.60	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
205	5.2	5.2	4.8*	4.3*	----	5.0	5.0	4.9	4.8*
125	3.5	3.5	3.2*	----	----	3.3*	3.3*	3.2*	3.1*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
205	9	11	13	14	11	12	13	13
125	5	6	7	8	6	7	7	8

Aircraft Load Ratings
for
Fokker 60

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 45.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.62 (90 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 10.72, 3.60 3) 10.72, -3.60	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
226	5.6	5.6	5.4	4.8*	----	5.4	5.4	5.3	5.3
131	3.7	3.7	3.4*	----	----	3.5*	3.4*	3.4*	3.3*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
226	10	13	14	16	13	14	14	15
131	5	6	7	9	6	7	8	8

Aircraft Load Ratings
for
Fokker 70

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 58.4
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.81 (117 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 11.54, 2.56 3) 11.54, -2.56	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
410	7.7	7.7	7.7	7.7	7.5*	7.6	7.6	7.7	7.7
225	5.4**	5.3	5.4	5.6*	----	5.3	5.2	5.2	5.1

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
410	22	24	27	30	24	26	27	29
225	10	11	13	15	12	13	13	14

Aircraft Load Ratings
for
Fokker 100

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 58.7
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.94 (136 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 14.01, 2.52 3) 14.01, -2.52	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
452	8.4	8.0	8.2	8.4	8.1*	8.1	8.1	8.2	8.4
243	5.9**	5.6	5.9	6.0*	6.4*	5.7	5.7	5.6	5.6

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
452	25	27	31	33	28	30	32	33
243	12	13	14	16	13	14	15	16

Aircraft Load Ratings
for
Fokker F27 Friendship

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 45.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.57 (82 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 9.74, 3.60 3) 9.74, -3.60	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
205	5.2	5.2	4.7*	----	----	5.0	5.0	4.9	4.8*
120	3.3	3.3	3.0*	----	----	3.2*	3.1*	3.0*	2.9*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
205	9	11	13	14	11	12	13	13
120	5	5	6	8	6	6	7	7

Aircraft Load Ratings
for
Fokker F28 Fellowship

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 55.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.53 (77 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 10.35, 2.52 3) 10.35, -2.52	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
325	6.8	6.8	6.3	5.3*	----	6.4	6.4	6.3	6.2
175	4.2	4.2	3.4*	----	----	4.2	4.1*	3.9*	3.8*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
325	14	17	20	23	17	18	20	21
175	6	8	9	11	8	9	9	10

Aircraft Load Ratings
for
Gulfstream II

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 46.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.04 (150 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 10.16, 2.08 3) 10.16, -2.08	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
294	7.3**	6.6	7.0	7.3	7.3*	6.7	6.8	6.8	6.9
163	5.2**	4.8	5.2*	5.4*	----	4.5	4.5	4.5*	4.5*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
294	17	18	20	22	20	21	21	22
163	8	9	10	11	10	10	11	11

Aircraft Load Ratings
for
Gulfstream III

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 46.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.21 (175 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 10.72, 2.08 3) 10.72, -2.08	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
312	7.8	6.8	7.3	7.8	7.5*	7.0	7.1	7.2	7.4
170	5.7**	5.1	5.7	5.7*	6.2*	4.7	4.8	4.8	4.8*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
312	19	20	22	23	22	23	24	24
170	9	9	10	12	11	11	12	12

Aircraft Load Ratings
for
Gulfstream IV

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 46.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.21 (175 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 11.61, 2.09 3) 11.61, -2.09	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
334	8.0**	7.0	7.5	8.0	8.0*	7.3	7.4	7.5	7.7
189	6.0**	5.3	5.9	6.0*	6.5*	5.1	5.2	5.2	5.2

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
334	20	22	24	25	24	25	25	26
189	10	11	12	13	12	13	13	14

Aircraft Load Ratings
for
Gulfstream V

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 46.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.37 (198 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 11.61, 2.09 3) 11.61, -2.09	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
405	9.2**	7.6	8.2	8.7	9.2*	8.1	8.2	8.5	8.7
215	6.8**	5.7	6.4	6.9*	7.3*	5.7	5.7	5.8	5.9

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
405	26	28	30	31	31	32	33	33
215	12	13	14	15	14	15	16	16

Aircraft Load Ratings
for
Hercules (Military)
(C-130, 082, 182, 282, 382)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Tandem	Gear Wheel Spacing (cm): 152.4
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.67 (96 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 9.77, 2.18 3) 9.77, -2.18	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
778	9.1	8.9	8.7	8.6	8.8*	9.0	9.0	9.0	9.1
360	6.1**	5.5	5.9	6.3*	6.2*	6.0	5.9	5.9	5.9

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
778	29	34	37	43	33	36	39	42
360	12	14	16	17	14	15	16	18

Aircraft Load Ratings
for
Hercules L-100 (Commercial)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Tandem	Gear Wheel Spacing (cm): 152.4
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.74 (107 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 12.32, 2.18 3) 12.32, -2.18	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
693	8.8	8.4	8.3	8.4	8.8*	8.7	8.6	8.7	8.8
340	6.1**	5.3	5.8	6.4*	6.5*	5.9	5.8	5.8	5.8

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
693	27	30	33	38	30	33	35	38
340	12	14	15	16	14	15	16	17

Aircraft Load Ratings
for
HS/BAe 125 (All Series to 600)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 32.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.83 (120 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 6.34, 1.40 3) 6.34, -1.40	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
112	4.0**	4.0	4.0*	----	----	3.5*	3.5*	3.5*	3.5*
61	2.8	2.8	2.4*	----	----	1.7*	1.7*	1.6*	1.7*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
112	6	6	7	8	7	7	8	8
61	3	3	3	4	3	4	4	4

Aircraft Load Ratings
for
HS/BAe 700

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 32.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.88 (127 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 6.34, 1.40 3) 6.34, -1.40	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
114	4.2**	4.1	4.3*	4.2*	----	3.5*	3.6*	3.6*	3.6*
62	2.9	2.9	2.6*	----	----	1.8*	1.8*	1.7*	1.8*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
114	6	7	7	8	7	8	8	8
62	3	3	3	4	4	4	4	4

Aircraft Load Ratings
for
HS/BAe 748

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 48.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.51 (73 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 6.30, 3.77 3) 6.30, -3.77	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
227	5.4	5.4	4.8*	4.2*	----	5.2	5.2	5.0	4.9*
120	3.1	3.1	2.7*	----	----	3.0*	3.0*	2.9*	2.7*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
227	9	11	14	16	11	13	14	14
120	4	5	6	7	5	6	6	7

Aircraft Load Ratings
for
Ilyushin IL-18

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 77.0 Tandem = 105.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.80 (116 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 12.78, 4.50 3) 12.78, -4.50	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
625	7.1	7.1	6.4	6.3*	6.6*	7.0	6.6	6.1	5.6
350	4.5**	4.4	4.5	4.9*	----	4.4	4.0*	3.6*	3.4*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
625	16	17	21	29	13	16	20	23
350	7	8	9	12	6	7	9	11

Aircraft Load Ratings
for
Ilyushin IL-62, 62M

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 80.0 Tandem = 165.0
Load on One Main Gear Leg (%): 47.0	Tire Pressure (MPa): 1.65 (239 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 24.49, 3.40 3) 24.49, -3.40	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1648	11.2	10.8	10.9	11.0	11.2	10.8	10.9	10.9	10.8
651	8.0**	6.6	7.2	7.7	8.6*	6.8	6.6	6.4	6.4

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1648	52	58	68	83	51	59	68	77
651	16	17	19	24	18	18	20	22

Aircraft Load Ratings
for
Ilyushin IL-76T

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 8
Main Gear Type: See Wheel Co-Ordinates	Gear Wheel Spacing (cm): Tandem = 258.0 Wheel Co-Ordinates (cm): 1) 0, -62.0 2) 0, 0 3) 0, 82.0 4) 0, 144.0 5) 258.0, -62.0 6) 258.0, 0 7) 258.0, 82.0 8) 258.0, 144.0
Load on One Main Gear Leg (%): 47.0	Tire Pressure (MPa): 0.64 (93 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 11.54, 2.72 3) 11.54, -2.72 4) 14.16, 2.72 5) 14.16, -2.72	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1677	9.7	9.7	9.0	8.0	6.6*	8.3	8.0	8.0	8.1
822	5.8	5.8	4.4*	4.6*	----	5.2	5.1	5.0	4.9*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1677	24	27	34	45	29	33	30	34
822	9	10	12	16	11	13	15	14

Aircraft Load Ratings
for
Ilyushin IL-76TD

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 8
Main Gear Type: See Wheel Co-Ordinates	Gear Wheel Spacing (cm): Tandem = 258.0 Wheel Co-Ordinates (cm): 1) 0, -62.0 2) 0, 0 3) 0, 82.0 4) 0, 144.0 5) 258.0, -62.0 6) 258.0, 0 7) 258.0, 82.0 8) 258.0, 144.0
Load on One Main Gear Leg (%): 47.0	Tire Pressure (MPa): 0.66 (95 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 11.54, 2.72 3) 11.54, -2.72 4) 14.16, 2.72 5) 14.16, -2.72	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1775	10.0	10.0	9.3	8.5	6.9*	8.6	8.3	8.3	8.4
920	6.5	6.5	5.0*	5.0*	----	5.6	5.5	5.5	5.4

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1775	27	30	37	49	32	35	32	37
920	11	12	14	19	13	15	18	16

Aircraft Load Ratings
for
Ilyushin IL-86

Landing Gear Characteristics	
Number of Main Gear: 3	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 125.0 Tandem = 149.0
Load on One Main Gear Leg (%): 31.2	Tire Pressure (MPa): 0.88 (128 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 20.60, 4.86 3) 19.74, 0 4) 20.60, -4.86	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
2054	9.5	9.5	8.9	8.5	9.1*	9.3	8.9	8.4	8.1
1089	6.6**	6.0	6.2	6.8*	7.4*	6.3	5.9	5.6	5.6

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
2054	34	36	43	61	26	31	38	46
1089	15	16	18	23	13	14	16	19

Aircraft Load Ratings
for
Jetstream 31, 32 (BAe)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.39 (57 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 4.60, 2.97 3) 4.60, -2.97	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
69	2.3	2.3*	2.3*	----	----	2.3*	2.3*	2.3*	2.3*
44	1.5	1.5*	----	----	----	1.2*	1.2*	1.3*	1.4*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
69	3	4	5	6	4	5	5	5
56*	3	3	4	5	4	4	4	4

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Jetstream 41 (BAe)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 40.2
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.83 (120 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 7.32, 3.05 3) 7.32, -3.05	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
107	3.7	3.7	3.3*	----	----	3.1*	3.1*	3.1*	3.1*
63	2.6	2.6	2.5*	----	----	1.6*	1.6*	1.6*	1.5*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
107	5	5	6	7	6	6	7	7
63	3	3	3	4	3	3	4	4

Aircraft Load Ratings
for
KC-10 (McDonnell Douglas)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 137.2 Tandem = 162.6
Load on One Main Gear Leg (%): 39.0	Tire Pressure (MPa): 1.22 (177 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 22.07, 5.33 3) 21.25, 0 4) 22.07, -5.33 Note: Has 3 main gears, with one dual-wheeled gear on the centerline of the fuselage.	

Note: The KC-10 is similar to the DC-10-30 aircraft.

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
2593	11.3	11.3	11.0	10.7	10.7	11.0	11.0	10.8	10.8
1800	9.8	9.4	9.0	9.1	9.8	9.7	9.4	9.1	9.0

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
2593	59	65	79	107	50	59	72	84
1800	38	40	46	64	32	36	43	51

Aircraft Load Ratings
for
KC-135 Stratotanker (Boeing)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 96.0 Tandem = 154.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.38 (200 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 13.92, 3.37 3) 13.92, -3.37	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1342	9.9	9.8	9.7	9.6	9.6	9.9	9.7	9.5	9.3
800	8.1**	7.1	7.3	7.7	8.7*	7.6	7.2	6.9	6.8

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1342	38	41	49	64	35	41	48	55
800	20	21	24	31	19	21	24	28

Aircraft Load Ratings
for
L-1011-1 Tristar

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 132.1 Tandem = 177.8
Load on One Main Gear Leg (%): 47.6	Tire Pressure (MPa): 1.35 (195 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 21.34, 5.49 3) 21.34, -5.49	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1913	10.7	10.7	10.5	10.3	10.5	10.7	10.6	10.4	10.4
1070	9.3**	7.6	7.5	8.4	9.3*	8.2	7.9	7.7	7.8

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1913	52	56	66	90	45	52	62	72
1070	26	27	30	38	24	25	29	33

Aircraft Load Ratings
for
L-1011-100, 200 Tristar

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 132.1 Tandem = 177.8
Load on One Main Gear Leg (%): 47.6	Tire Pressure (MPa): 1.35 (195 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 21.34, 5.49 3) 21.34, -5.49	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
2073	11.1	11.1	10.9	10.7	10.7	10.9	10.9	10.8	10.7
1090	9.3	7.7	7.6	8.4	9.3	8.3	8.0	7.8	7.8

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
2073	57	63	75	101	49	58	69	81
1090	26	28	31	39	24	26	29	34

Aircraft Load Ratings
for
L-1011-250 Tristar

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 132.1 Tandem = 177.8
Load on One Main Gear Leg (%): 47.6	Tire Pressure (MPa): 1.35 (195 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 21.34, 5.49 3) 21.34, -5.49	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
2269	11.6	11.6	11.4	11.2	11.1	11.2	11.3	11.2	11.2
1108	9.4	7.7	7.7	8.5	9.4	8.4	8.0	7.9	7.9

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
2269	64	71	86	114	56	66	79	91
1108	27	28	31	40	25	26	30	35

Aircraft Load Ratings
for
L-1011-500 Tristar

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 132.1 Tandem = 177.8
Load on One Main Gear Leg (%): 47.6	Tire Pressure (MPa): 1.35 (195 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 21.34, 5.49 3) 21.34, -5.49	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
2295	11.7	11.7	11.5	11.3	11.1	11.2	11.4	11.3	11.2
1070	9.3**	7.6	7.5	8.4	9.3*	8.2	7.9	7.7	7.8

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
2295	65	72	87	116	56	67	80	93
1070	26	27	30	38	24	25	29	33

Aircraft Load Ratings
for
Learjet 24F

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 25.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.79 (115 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 4.93, 1.26 3) 4.93, -1.26	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
62	2.9	2.9	----	----	----	1.9*	1.9*	1.9*	1.9*
32	1.3	1.3*	----	----	----	0.3*	0.3*	0.4*	0.4*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
62	3	3	4	4	4	4	4	4
56*	3	3	4	4	3	4	4	4

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Learjet 25D, 25F

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 25.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.79 (115 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 5.84, 1.26 3) 5.84, -1.26	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
69	3.1	3.1	2.4*	----	----	2.2*	2.2*	2.2*	2.2*
34	1.5	1.5*	----	----	----	0.5*	0.4*	0.5*	0.5*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
69	3	4	4	5	4	5	5	5
56*	3	3	3	4	3	4	4	4

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Learjet 25G

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 25.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.79 (115 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 5.84, 1.26 3) 5.84, -1.26	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
75	3.3	3.3	2.7*	----	----	2.4*	2.5*	2.5*	2.5*
37	1.8	1.8*	----	----	----	0.6*	0.6*	0.6*	0.7*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
75	4	4	5	5	5	5	5	5
56*	3	3	3	4	3	4	4	4

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Learjet 28, 29 (Longhorn)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 25.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.79 (115 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 6.01, 1.25 3) 6.01, -1.25	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
69	3.1	3.1	2.4	----	----	2.2*	2.2*	2.2*	2.2*
37	1.8	1.8*	----	----	----	0.6*	0.6*	0.6*	0.7*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
69	3	4	4	5	4	5	5	5
56*	3	3	3	4	3	4	4	4

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Learjet 31A, 35A, 36A

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 28.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.79 (115 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 6.15, 1.26 3) 6.15, -1.26	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
83	3.4	3.4	3.0*	----	----	2.6*	2.7*	2.7*	2.7*
45	2.1	2.1*	----	----	----	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
83	4	5	5	6	5	5	6	6
56*	3	3	3	4	3	3	4	4

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Learjet 45

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 28.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.79 (115 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 7.92, 1.43 3) 7.92, -1.43	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
91	3.6	3.6	3.2*	----	----	2.9*	2.9*	2.9*	3.0*
59	2.7	2.7	----	----	----	1.7*	1.7*	1.7*	1.7*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
91	5	5	6	7	6	6	6	7
59	3	3	3	4	3	4	4	4

Aircraft Load Ratings
for
Learjet 55B, 55C

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 28.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.24 (180 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 7.01, 1.26 3) 7.01, -1.26	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
97	4.8**	4.4	4.9*	4.6*	----	3.3*	3.3*	3.4*	3.5*
58	3.5	3.5	3.3*	----	----	1.9*	1.9*	1.9*	1.9*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
97	6	6	7	7	7	7	7	8
58	3	3	3	4	4	4	4	4

Aircraft Load Ratings
for
Learjet 60

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 28.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.24 (180 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 7.72, 1.26 3) 7.72, -1.26	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
106	5.1**	4.6	5.1*	4.9*	----	3.6*	3.6*	3.7*	3.7*
62	3.6	3.6	3.4*	----	----	2.0*	2.1*	2.1*	2.1*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
106	6	7	7	8	8	8	8	8
62	3	3	4	4	4	4	4	5

Aircraft Load Ratings
for
Lockheed 188 Electra

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 66.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.95 (138 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 11.27, 4.75 3) 11.27, -4.75	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
503	8.7	8.3	8.4	8.6	8.5*	8.4	8.4	8.5	8.7
255	6.0**	5.6	5.8	6.2*	6.6*	5.7	5.7	5.7	5.6

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
503	27	29	33	36	30	32	34	36
255	12	13	14	17	13	14	15	16

Aircraft Load Ratings
for
MD-11

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 137.2 Tandem = 162.6
Load on One Main Gear Leg (%): 39.0	Tire Pressure (MPa): 1.38 (200 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 24.61, 5.28 3) 23.81, 0 4) 24.61, -5.28 Note: Has 3 main gear with one dual wheeled gear on the centerline of the fuselage	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
2805	11.7	11.7	11.4	11.2	11.0	11.3	11.5	11.4	11.3
1200	9.0**	7.1	7.2	8.2	9.1*	7.9	7.6	7.4	7.5

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
2805	67	74	90	119	58	69	83	96
1200	24	25	27	34	22	23	26	30

Aircraft Load Ratings
for
MD-81

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 71.4
Load on One Main Gear Leg (%): 47.9	Tire Pressure (MPa): 1.14 (165 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 22.07, 2.54 3) 22.07, -2.54	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
628	9.9	9.1	9.3	9.5	9.8	9.3	9.4	9.6	9.9
350	7.4**	6.6	7.0	7.3	8.0*	7.0	7.0	7.1	7.1

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
628	36	38	43	46	41	43	45	47
350	18	19	21	24	20	21	23	24

Aircraft Load Ratings
for
MD-82

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 71.4
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.14 (165 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 22.07, 2.54 3) 22.07, -2.54	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
670	10.1	9.3	9.5	9.7	10.0	9.5	9.6	9.9	10.1
350	7.3**	6.6	7.0	7.3	7.9*	7.0	7.0	7.0	7.1

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
670	39	41	46	49	43	46	48	50
350	18	18	20	24	20	21	22	24

Aircraft Load Ratings
for
MD-83

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 71.4
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.14 (165 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 22.07, 2.54 3) 22.07, -2.54	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
716	10.4	9.6	9.8	10.0	10.3	9.7	9.9	10.2	10.4
355	7.4**	6.6	7.1	7.3	8.0*	7.0	7.0	7.1	7.1

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
716	42	45	50	53	47	50	52	54
355	18	19	21	24	20	22	23	24

Aircraft Load Ratings
for
MD-87

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 71.4
Load on One Main Gear Leg (%): 47.9	Tire Pressure (MPa): 1.14 (165 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 19.18, 2.54 3) 19.18, -2.54	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
628	9.9	9.1	9.3	9.5	9.8	9.3	9.4	9.6	9.9
335	7.1**	6.5	6.9	7.1*	7.8*	6.8	6.8	6.9	6.9

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
628	36	38	43	46	41	43	45	47
335	17	18	20	23	19	20	22	23

Aircraft Load Ratings
for
MD-88

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 71.4
Load on One Main Gear Leg (%): 47.9	Tire Pressure (MPa): 1.14 (165 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 22.07, 2.54 3) 22.07, -2.54	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
670	10.2	9.3	9.5	9.8	10.0	9.5	9.7	9.9	10.2
350	7.4**	6.6	7.0	7.3	8.0*	7.0	7.0	7.1	7.1

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
670	39	41	46	50	44	46	48	50
350	18	19	21	24	20	21	23	24

Aircraft Load Ratings
for
MD-90-30

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 71.4
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.14 (165 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 23.52, 2.55 3) 23.52, -2.55	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
699	10.3	9.5	9.7	9.9	10.2	9.7	9.8	10.1	10.3
392	7.9**	7.0	7.4	7.7	8.3*	7.4	7.4	7.5	7.6

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
699	41	43	48	52	46	48	50	52
392	20	21	24	27	23	24	26	27

Aircraft Load Ratings
for
MD-90-30ER

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 71.4
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.14 (165 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 23.52, 2.55 3) 23.52, -2.55	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
739	10.6	9.7	9.9	10.1	10.4	9.9	10.0	10.3	10.6
392	7.9**	7.0	7.4	7.7	8.3*	7.4	7.4	7.5	7.6

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
739	44	47	52	55	49	52	54	56
392	20	21	24	27	23	24	26	27

Aircraft Load Ratings
for
MD-90-50, 55

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 71.4
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.14 (165 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 23.52, 2.55 3) 23.52, -2.55	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
772	10.8	9.9	10.0	10.2	10.5	10.0	10.2	10.5	10.8
410	8.1**	7.2	7.5	7.8	8.4*	7.6	7.6	7.7	7.8

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
772	46	50	54	57	52	54	57	58
410	22	22	25	29	24	26	27	28

Aircraft Load Ratings
for
Mitsubishi MU-2 Series

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.48 (69 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 4.52, 1.20 3) 4.52, -1.20	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
52	2.1	2.1*	----	----	----	1.8*	1.8*	1.8*	1.9*
32	1.3	1.3*	----	----	----	0.7*	0.7*	0.8*	0.9*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
52*	----	----	----	----	----	----	----	----
32*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Piper Aerostar

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.48 (70 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 3.55, 1.55 3) 3.55, -1.55	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
29	1.1	1.1*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
20	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
29*	----	----	----	----	----	----	----	----
20*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Piper Apache

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.29 (42 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 2.28, 1.67 3) 2.28, -1.67	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
21	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
13	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
21*	----	----	----	----	----	----	----	----
13*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Piper Archer II, III

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.17 (24 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 2.00, 1.53 3) 2.00, -1.53	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
12	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
7	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
12*	----	----	----	----	----	----	----	----
7*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Piper Arrow III, IV

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.21 (30 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 2.39, 1.60 3) 2.39, -1.60	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
14	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
8	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
14*	----	----	----	----	----	----	----	----
8*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Piper Aztec

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.42 (61 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 2.28, 1.72 3) 2.28, -1.72	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
30	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
18	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
30*	----	----	----	----	----	----	----	----
18*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Piper Cheyenne I, II

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.55 (80 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 2.64, 2.10 3) 2.64, -2.10	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
41	2.0	2.0*	----	----	----	1.3*	1.3*	1.4*	1.5*
23	1.0	1.0*	----	----	----	0.1*	0.2*	0.3*	0.4*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
41*	----	----	----	----	----	----	----	----
23*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Piper Cheyenne III

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.69 (100 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 3.23, 2.86 3) 3.23, -2.86	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
50	2.7**	2.6	3.1*	----	----	1.9*	2.0*	2.0*	2.1*
31	1.9	1.9*	----	----	----	0.8*	0.8*	1.0*	1.1*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
50*	----	----	----	----	----	----	----	----
31*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Piper Commanche

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.29 (42 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 2.01, 1.47 3) 2.01, -1.47	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
21	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
13	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
21*	----	----	----	----	----	----	----	----
13*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Piper Cub & Super Cub

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.13 (19 psi)
Gear Co-Ordinates (m): 1) 0, 0.92 2) 0, -0.92 3) 5.50, 0	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
8	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
5	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
8*	----	----	----	----	----	----	----	----
5*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Piper Dakota

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.17 (24 psi)
Gear Co-Ordinates (m): 1) 0,0 2) 1.98, 1.52 3) 1.98, -1.52	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
14	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
8	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
14*	----	----	----	----	----	----	----	----
8*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Piper Malibu, Mirage, Meridian

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.35 (50 psi)
Gear Co-Ordinates (m): 1) 0,0 2) 2.44, 1.88 3) 2.44, -1.88	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
21	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
14	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
21*	----	----	----	----	----	----	----	----
14*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Piper Mojave

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.42 (60 psi)
Gear Co-Ordinates (m): 1) 0,0 2) 2.64, 2.10 3) 2.64, -2.10	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
33	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
23	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
33*	----	----	----	----	----	----	----	----
23*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Piper Navajo

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.42 (60 psi)
Gear Co-Ordinates (m): 1) 0,0 2) 2.64, 2.10 3) 2.64, -2.10	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
29	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
18	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
29*	----	----	----	----	----	----	----	----
18*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Piper Saratoga

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.38 (55 psi)
Gear Co-Ordinates (m): 1) 0,0 2) 2.36, 1.62 3) 2.36, -1.62	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
16	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
10	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
16*	----	----	----	----	----	----	----	----
10*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Piper Saratoga II

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.27 (38 psi)
Gear Co-Ordinates (m): 1) 0,0 2) 2.43, 1.70 3) 2.43, -1.70	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
16	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
11	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
16*	----	----	----	----	----	----	----	----
11*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Piper Seminole

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.25 (36 psi)
Gear Co-Ordinates (m): 1) 0,0 2) 2.56, 1.60 3) 2.56, -1.60	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
17	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
11	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
17*	----	----	----	----	----	----	----	----
11*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Piper Seneca III, V

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.38 (55 psi)
Gear Co-Ordinates (m): 1) 0,0 2) 2.13, 1.69 3) 2.13, -1.69	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
22	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
14	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
22*	----	----	----	----	----	----	----	----
14*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Piper Warrior II, III

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.17 (24 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 2.03, 1.53 3) 2.03, 1.53	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
11	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*
7	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*	1.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
11*	----	----	----	----	----	----	----	----
7*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Saab 2000

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 46.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.69 (100 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 11.22, 4.12 3) 11.22, -4.12	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
226	5.6	5.6	5.5	5.1*	----	5.4	5.4	5.4	5.4
136	3.9	3.9	3.4*	----	----	3.7*	3.6*	3.5*	3.5*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
226	11	13	14	16	13	14	15	15
136	6	7	7	9	7	8	8	9

Aircraft Load Ratings
for
Saab 340 A, B

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 41.4
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.82 (119 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 7.14, 3.36 3) 7.14, -3.36	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
131	4.1	4.1	4.1*	----	----	3.7	3.7*	3.7*	3.7*
81	3.0	3.0	3.0*	----	----	2.3*	2.3*	2.2*	2.2*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
131	6	7	8	9	7	8	8	9
81	4	4	4	5	4	5	5	5

Aircraft Load Ratings
for
Shorts 330

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.55 (79 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 6.15, 2.12 3) 6.15, -2.12	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
102	3.9**	3.7	4.1*	----	----	3.5*	3.6*	3.7*	3.7*
66	2.8**	2.8	3.1*	----	----	2.4*	2.5*	2.6*	2.6*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
102	6	8	9	9	7	8	8	8
66	4	5	6	6	5	5	5	5

Aircraft Load Ratings
for
Shorts 360

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.54 (78 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 7.06, 2.12 3) 7.06, -2.12	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
121	4.4**	4.0	4.5*	4.5*	----	4.0	4.1	4.1*	4.2*
77	3.1**	3.0	3.4*	----	----	2.8*	2.8*	2.9*	3.0*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
121	7	9	10	11	9	9	9	9
77	5	6	7	7	6	6	6	6

Aircraft Load Ratings
for
Shorts Sherpa

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.54 (78 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 6.15, 2.13 3) 6.15, -2.13	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
114	4.2**	3.9	4.3*	4.3*	----	3.9	3.9*	4.0*	4.0*
80	3.2**	3.1	3.5*	----	----	2.9*	2.9*	3.0*	3.1*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
114	7	8	10	10	8	8	9	9
80	5	6	7	7	6	6	6	6

Aircraft Load Ratings
for
Shorts Skyvan

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.28 (40 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 4.52, 2.11 3) 4.52, -2.11	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
67	2.0	1.7*	----	----	----	2.0*	1.9*	1.9*	1.8*
35	0.6*	0.4*	----	----	----	0.5*	0.5*	0.5*	0.6*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
67	3	3	4	6	4	4	4	4
56*	3	3	4	5	3	3	4	4

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Swearingen SJ30-2

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 2
Main Gear Type: Dual	Gear Wheel Spacing (cm): 30.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.07 (155 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 5.70, 1.05 3) 5.70, -1.05	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
60	3.2	3.2	3.0*	----	----	1.8*	1.8*	1.8*	1.9*
36	2.2	2.2*	----	----	----	0.5*	0.6*	0.6*	0.7*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
60	3	3	3	4	4	4	4	4
56*	3	3	3	4	3	4	4	4

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
T-33 Trainer (CT-133)
(Lockheed)

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 1
Main Gear Type: Single	Gear Wheel Spacing (cm): NA
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.42 (60 psi)
Gear Co-Ordinates (m): Not Available	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
54	2.0	2.0*	----	----	----	1.8*	1.8*	1.8*	1.8*
38	1.3	1.3*	----	----	----	1.0*	1.0*	1.1*	1.1*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
54*	----	----	----	----	----	----	----	----
38*	----	----	----	----	----	----	----	----

* ACN is not applicable for aircraft having a mass less than 5700 kg (56 kN / 12,600 lbs)

Aircraft Load Ratings
for
Transall C-160

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 62.0 Tandem = 166.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 0.38 (55 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 10.48, 2.55 3) 10.48, -2.55	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
500	5.9	5.9	3.4*	----	----	4.9	4.3	3.9*	3.9*
285	2.9	2.9	2.3*	----	----	2.7*	2.5*	2.5*	2.4*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
500	8	10	13	18	10	10	10	13
285	4	5	6	8	5	6	6	6

Aircraft Load Ratings
for
Tupolev TU-134

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 56.0 Tandem = 99.0
Load on One Main Gear Leg (%): 45.6	Tire Pressure (MPa): 0.59 (85 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 16.04, 4.73 3) 16.04, -4.73	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
463	6.2	6.2	4.9*	4.6*	----	5.8	5.3	4.8	4.2*
285	3.9	3.9	3.4*	----	----	3.7*	3.3*	2.8*	2.5*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
463	10	12	15	20	9	11	14	17
285	5	6	7	10	5	6	7	8

Aircraft Load Ratings
for
Tupolev TU-154

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 6
Main Gear Type: 3 Duals in Tandem (Twin-Tridem / Dual Tridem)	Gear Wheel Spacing (cm): Dual = 62.0 Wheel Co-Ordinates (cm): 1) 0, 0 2) 0, 62.0 3) 103.0, 0 4) 103.0, 62.0 5) 201.0, 0 6) 201.0, 62.0
Load on One Main Gear Leg (%): 45.1	Tire Pressure (MPa): 0.93 (135 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 18.92, 5.75 3) 18.92, -5.75	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
961	8.9	8.9	8.0	6.6*	7.1*	8.5	8.0	7.4	6.6
525	5.4	5.4	4.2*	5.2*	----	5.4	4.8	4.1*	3.5*

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
961	19	22	28	37	18	24	30	36
525	9	9	11	16	7	9	12	15

Aircraft Load Ratings
for
Tupolev TU-204, 214, 224, 234

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 90.0 Tandem = 135.0
Load on One Main Gear Leg (%): 47.5	Tire Pressure (MPa): 1.38 (200 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 17.00, 3.91 3) 17.00, -3.91	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1096	9.4	9.0	8.9	8.9	9.4	9.3	9.1	8.8	8.6
560	7.0**	6.0	6.3	7.1*	7.8*	6.2	5.9	5.6	5.5

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)
** At the minimum thickness of 250 mm for flexible pavements

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1096	31	33	40	53	29	34	40	46
560	14	14	16	20	13	14	16	19

Aircraft Load Ratings
for
VC10 Series

Landing Gear Characteristics	
Number of Main Gear: 2	Wheels In Each Main Gear: 4
Main Gear Type: Dual Tandem	Gear Wheel Spacing (cm): Dual = 86.0 Tandem = 155.0
Load on One Main Gear Leg (%): 47.8	Tire Pressure (MPa): 1.01 (146 psi)
Gear Co-Ordinates (m): 1) 0, 0 2) 22.98, 3.27 3) 22.98, -3.27	

Operating Weight (kN)	Aircraft Load Rating (ALR)								
	Max ALR	Flexible Pavement Subgrades S (kN)				Rigid Pavement Subgrades k (MPa/m)			
		50	90	130	180	20	40	80	150
1590	11.0	11.0	10.8	10.6	10.4	10.5	10.4	10.2	9.9
785	7.5	7.5	7.3	7.3	7.9*	7.4	7.0	6.6	6.4

* Below the minimum thickness (250 mm for flexible and 150 mm for rigid pavements)

Operating Weight (kN)	Aircraft Classification Number (ACN)							
	Flexible Pavement Subgrades CBR				Rigid Pavement Subgrades k (MPa/m)			
	High A 15	Medium B 10	Low C 6	Vr Low D 3	High A 150	Medium B 80	Low C 40	Ult Low D 20
1590	48	54	66	83	41	50	60	69
785	19	21	24	31	18	19	22	26