

## ***AIRCRAFT LOAD RATINGS (ALR's)***

<i><b>Aircraft</b></i>	<i><b>Weight</b></i>	<i><b>Tire</b></i>	<i><b>Flexible Pavement Subgrades</b></i>				<i><b>Rigid Pavement Subgrades</b></i>				
	<i><b>Max/Min</b></i> <i><b>(kN)</b></i>	<i><b>Pressure</b></i> <i><b>(MPa)</b></i>	<i><b>Max</b></i> <i><b>ALR</b></i>	<i><b>S (kN)</b></i>				<i><b>k (MPa/m)</b></i>			
				<i><b>50</b></i>	<i><b>90</b></i>	<i><b>130</b></i>	<i><b>180</b></i>	<i><b>20</b></i>	<i><b>40</b></i>	<i><b>80</b></i>	<i><b>150</b></i>
A300-B, B2	1353 840	1.16	10.2 7.8	10.2 7.8	10.1 7.6	10.0 7.6	9.6 ---	9.9 7.8	9.9 7.6	9.7 7.3	9.4 7.0
A300-B4-200	1627 1236	1.28	11.0 9.6	11.0 9.6	10.9 9.5	10.9 9.4	10.7 9.5	10.7 9.5	10.7 9.5	10.7 9.3	10.4 9.0
A300-B4-200 (Optional Bogie)	1627 1236	1.16	10.8 9.4	10.8 9.4	10.6 9.2	10.6 9.0	10.2 9.3	10.4 9.2	10.4 9.1	10.2 8.8	9.9 8.6
A300-B4-600R	1693 1275	1.35	11.2 9.8	11.2 9.8	11.1 9.7	11.2 9.7	11.1 9.7	11.0 9.8	11.0 9.7	11.0 9.6	10.8 9.3
A300-B4-600R (Optional Bogie)	1693 1275	1.21	11.0 9.6	11.0 9.6	10.9 9.4	10.8 9.3	10.6 9.5	10.7 9.4	10.7 9.3	10.5 9.1	10.3 8.8
A300-C4	1627 1216	1.24	10.9 9.4	10.9 9.4	10.8 9.3	10.7 9.1	10.5 9.4	10.6 9.3	10.6 9.2	10.5 9.0	10.2 8.7
A310-200, 200C	1509 800	1.46	10.4 7.7	10.4 7.2	10.4 7.4	10.4 7.7	10.3 ---	10.4 7.6	10.4 7.4	10.3 7.2	10.1 7.0
A310-300 (Configuration 1)	1480 1108	1.19	10.6 9.2	10.6 9.2	10.5 9.0	10.4 8.8	10.1 9.1	10.3 9.0	10.3 8.9	10.1 8.7	9.9 8.3
A310-300 (Configuration 2)	1549 1118	1.48	10.7 9.5	10.7 8.9	10.6 8.9	10.7 9.0	10.6 9.5	10.6 9.2	10.7 9.1	10.6 9.0	10.4 8.7
A310-300 (Configuration 3)	1617 1118	1.29	11.0 9.3	11.0 9.1	10.9 9.0	10.9 8.9	10.7 9.3	10.7 9.1	10.8 9.0	10.7 8.8	10.5 8.5
A310-322 SR, BB	1500 1064	1.45	10.4 9.3	10.4 8.5	10.3 8.6	10.4 8.6	10.3 9.3	10.4 8.9	10.4 8.8	10.3 8.6	10.1 8.3
A310-324	1540 800	1.24	10.6 7.6	10.6 7.2	10.5 7.2	10.5 7.6	10.2 ---	10.4 7.5	10.4 7.3	10.3 6.9	10.0 6.7
A310-325	1608 1100	1.38	10.8 9.3	10.8 8.8	10.7 8.7	10.7 8.7	10.6 9.3	10.7 9.0	10.7 8.9	10.6 8.7	10.4 8.4
A318-100	607 382	0.89	8.8 7.0	8.6 6.5	8.6 6.5	8.6 7.0	---	8.5 6.7	8.7 6.8	8.8 6.8	8.8 6.7
A319-100 (Configuration 1)	632 382	0.89	8.9 6.9	8.6 6.4	8.7 6.5	8.6 6.9	---	8.6 6.7	8.7 6.7	8.9 6.6	8.9 6.6
A319-100 (Configuration 2)	690 382	1.07	9.5 7.2	8.9 6.3	9.1 6.6	9.2 7.2	9.4 ---	9.0 6.8	9.2 6.8	9.4 6.8	9.5 6.9
A319-100 (Configuration 3)	744 382	1.38	10.2 7.6	9.0 6.3	9.3 6.9	9.7 7.6	10.0 ---	9.5 6.9	9.7 7.0	10.0 7.1	10.2 7.2

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<i><b>Aircraft</b></i>	<i><b>Weight</b></i>	<i><b>Tire</b></i>	<i><b>Flexible Pavement Subgrades</b></i>				<i><b>Rigid Pavement Subgrades</b></i>				
	<i><b>Max/Min</b></i> <i><b>(kN)</b></i>	<i><b>Pressure</b></i> <i><b>(MPa)</b></i>	<i><b>Max</b></i> <i><b>ALR</b></i>	<i><b>S (kN)</b></i>				<i><b>k (MPa/m)</b></i>			
				<i><b>50</b></i>	<i><b>90</b></i>	<i><b>130</b></i>	<i><b>180</b></i>	<i><b>20</b></i>	<i><b>40</b></i>	<i><b>80</b></i>	<i><b>150</b></i>
A320-100	667 390	1.21	9.7 7.5	8.8 6.5	9.0 7.0	9.3 7.5	9.6 ---	9.1 7.0	9.3 7.1	9.5 7.2	9.7 7.3
A320-200 (Configuration 1)	725 402	1.03	9.8 7.3	9.2 6.6	9.3 6.9	9.5 7.3	9.6 ---	9.3 7.0	9.5 7.1	9.7 7.1	9.8 7.1
A320-200 (Configuration 2)	744 422	1.14	10.0 7.6	9.2 6.7	9.4 7.1	9.6 7.6	9.7 ---	9.4 7.2	9.6 7.3	9.9 7.4	10.0 7.5
A320-200 (Configuration 3)	759 441	1.44	10.4 8.9	9.1 6.9	9.5 7.4	9.8 7.9	10.2 8.9	9.6 7.6	9.9 7.7	10.2 7.8	10.4 7.9
A320-200 (Optional Bogie)	725 402	1.22	7.8 5.5	7.5 5.2	7.4 5.5	7.4 ---	---	7.8 5.2	7.7 4.9	7.4 4.4	7.0 ---
A320-212 (Optional 4-Wheel Bogie)	764 490	1.22	8.0 6.1	7.8 5.8	7.7 5.9	7.5 ---	---	8.0 6.1	7.9 5.8	7.6 5.4	7.3 5.1
A321-100 (Configuration 1)	769 461	1.28	10.4 8.1	9.4 7.2	9.7 7.6	10.0 7.9	10.2 ---	9.7 7.8	10.0 7.9	10.2 8.0	10.4 8.1
A321-100 (Configuration 2)	818 461	1.36	10.8 8.9	9.6 7.1	9.9 7.6	10.2 8.0	10.5 8.9	10.0 7.8	10.3 8.0	10.5 8.1	10.8 8.2
A321-200	877 461	1.46	11.1 9.0	9.8 7.1	10.2 7.7	10.5 8.1	10.8 9.0	10.2 7.8	10.5 8.0	10.9 8.1	11.1 8.2
A330-200 (Configuration 1)	2137 1650	1.34	11.0 10.2	11.0 9.7	10.9 9.5	10.8 9.3	10.9 10.2	10.9 9.7	10.8 9.6	10.7 9.5	10.6 9.5
A330-200 (Configuration 2)	2264 1650	1.42	11.3 10.3	11.3 9.6	11.1 9.4	11.1 9.3	11.1 10.3	11.2 9.8	11.1 9.7	11.0 9.6	11.0 9.6
A330-300 (Configuration 1)	2088 1638	1.31	10.9 10.2	10.9 9.7	10.8 9.4	10.7 9.2	10.8 10.2	10.8 9.7	10.7 9.6	10.6 9.5	10.5 9.5
A330-300 (Configuration 2)	2137 1657	1.33	11.0 10.2	11.0 9.7	10.8 9.5	10.8 9.3	10.8 10.2	10.8 9.7	10.7 9.6	10.6 9.5	10.6 9.5
A330-300 (Configuration 3)	2264 1697	1.42	11.3 10.4	11.3 9.8	11.2 9.7	11.2 9.6	11.1 10.4	11.2 10.0	11.1 9.8	11.1 9.8	11.0 9.8
A340-200 (Configuration 1)	2559 1657	1.32	11.0 9.7	11.0 8.7	10.8 8.5	10.7 8.9	10.8 9.7	10.8 8.9	10.7 8.8	10.6 8.7	10.6 8.7
A340-200 (Configuration 2)	2706 1697	1.42	11.3 9.9	11.3 8.8	11.1 8.7	11.1 9.1	11.1 9.9	11.2 9.1	11.1 9.0	11.0 8.9	11.0 9.0
A340-300 (Configuration 1)	2559 1706	1.32	11.0 10.0	11.0 9.2	10.8 8.9	10.7 9.1	10.8 10.0	10.8 9.3	10.7 9.1	10.6 9.0	10.5 9.1

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<i><b>Aircraft</b></i>	<i><b>Weight</b></i>	<i><b>Tire</b></i>	<i><b>Max</b></i>	<i><b>Flexible Pavement Subgrades</b></i>				<i><b>Rigid Pavement Subgrades</b></i>			
	<i><b>Max/Min</b></i>	<i><b>Pressure</b></i>		<i><b>ALR</b></i>	<i><b>S (kN)</b></i>				<i><b>k (MPa/m)</b></i>		
	<i><b>(kN)</b></i>	<i><b>(MPa)</b></i>		<i><b>50</b></i>	<i><b>90</b></i>	<i><b>130</b></i>	<i><b>180</b></i>	<i><b>20</b></i>	<i><b>40</b></i>	<i><b>80</b></i>	<i><b>150</b></i>
A340-300	2706	1.42	11.3	11.3	11.2	11.2	11.1	11.2	11.1	11.1	11.0
(Configuration 2)	1765		10.2	9.3	9.2	9.2	10.2	9.6	9.5	9.4	9.4
A340-500, 600	3590	1.42	11.8	11.8	11.6	11.6	11.4	11.6	11.5	11.4	11.4
	1750		9.6	7.9	7.9	8.7	9.6	8.4	8.3	8.2	8.3
A380-800	5514	1.47	12.2	12.2	11.5	11.0	11.0	12.0	11.7	11.3	11.1
(6 Wheel Main Gear)	2758		9.5	7.5	7.6	8.5	9.5	8.6	8.2	7.9	8.0
A380-800	5514	1.47	11.3	11.3	11.2	11.2	11.0	11.3	11.2	11.1	11.1
(4 Wheel Wing Gear)	2758		9.5	7.5	7.7	8.5	9.5	8.2	8.1	8.0	8.0
Antonov AN- 24	207	0.42	4.6	4.6	---	---	---	4.5	4.3	---	---
	130		2.7	2.7	---	---	---	---	---	---	---
Antonov AN-124-100	3844	1.03	12.0	12.0	11.4	10.9	9.3	11.6	11.0	10.1	9.3
	2000		8.2	8.2	7.1	7.4	---	7.9	7.1	6.4	6.1
Antonov AN-225	5884	1.13	12.9	12.9	12.4	12.0	11.5	12.3	11.7	11.0	10.2
	4500		11.4	11.4	10.9	10.5	9.4	10.8	10.1	9.3	8.7
ATR 42	182	0.72	4.9	4.9	4.9	---	---	4.8	4.7	4.6	---
(Aerospatiale)	110		3.5	3.5	---	---	---	---	---	---	---
ATR 72	211	0.79	5.6	5.5	5.6	---	---	5.4	5.4	5.3	5.4
(Aerospatiale)	125		3.9	3.9	---	---	---	---	---	---	---
Aurora (CP-140)	600	1.31	9.9	8.9	9.2	9.6	9.9	9.1	9.4	9.7	9.9
(P-3 Orion)	275		6.9	6.0	6.5	6.9	---	6.2	6.2	6.3	6.3
B-52 (Bomber)	2170	1.65	13.3	12.0	12.2	12.4	12.5	12.7	12.8	13.1	13.3
	1500		11.5	10.2	10.4	10.7	10.9	11.2	11.3	11.4	11.5
B1-B Bomber	2123	1.65	12.4	12.2	12.2	12.3	12.4	12.0	12.1	12.2	12.3
(Rockwell)	1400		10.5	10.1	10.2	10.3	10.5	10.3	10.3	10.3	10.1
B707-120, 120B	1150	1.17	9.4	9.4	9.3	9.1	9.2	9.2	9.1	8.9	8.5
	700		7.2	6.8	6.9	7.2	---	7.0	6.7	6.4	6.2
B707-320, 320B, 320C, 420	1484	1.24	10.7	10.7	10.6	10.6	10.4	10.4	10.4	10.3	10.0
	800		7.7	7.5	7.5	7.6	---	7.7	7.4	7.1	6.9
B717-100, 200, 300	543	1.10	9.4	8.7	8.9	9.2	9.4	8.7	9.0	9.2	9.4
	310		7.0	6.4	6.8	7.0	---	6.6	6.7	6.7	6.8
B720, 720B	1045	1.01	9.1	9.1	8.9	8.5	---	8.8	8.6	8.3	7.9
	700		7.0	7.0	6.8	7.0	---	6.9	6.6	6.2	6.0
B727-100, 100C	756	1.14	10.3	9.5	9.7	9.9	10.1	9.6	9.9	10.1	10.3
	450		7.9	7.2	7.5	7.7	---	7.6	7.8	7.9	7.9

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	<i><b>Max/Min</b></i> <i><b>(kN)</b></i>	<i><b>Pressure</b></i> <i><b>(MPa)</b></i>	<i><b>Max</b></i> <i><b>ALR</b></i>	<i><b>S (kN)</b></i>				<i><b>k (MPa/m)</b></i>			
				<i><b>50</b></i>	<i><b>90</b></i>	<i><b>130</b></i>	<i><b>180</b></i>	<i><b>20</b></i>	<i><b>40</b></i>	<i><b>80</b></i>	<i><b>150</b></i>
B727-200	770 450	1.15	10.4 7.9	9.6 7.2	9.8 7.5	10.0 7.7	10.2 ---	9.7 7.6	9.9 7.8	10.2 7.9	10.4 7.9
B727-200 (Advanced)	934 450	1.19	11.3 8.0	10.4 7.2	10.6 7.6	10.8 7.8	11.0 ---	10.4 7.7	10.7 7.8	11.0 7.9	11.3 8.0
B727-200F (Advanced)	907 450	1.15	11.1 7.9	10.2 7.2	10.4 7.5	10.7 7.7	10.9 ---	10.3 7.6	10.6 7.8	10.9 7.9	11.1 7.9
B737-100	445 260	1.02	7.9 5.7	7.4 5.4	7.6 5.7	7.8 ---	--- ---	7.6 5.6	7.8 5.6	7.9 5.5	7.9 5.5
B737-200, 200C, Advanced	572 300	1.26	9.4 7.0	8.4 6.0	8.7 6.5	9.0 7.0	9.3 ---	8.7 6.3	9.0 6.4	9.2 6.4	9.4 6.4
B737-300	623 325	1.40	9.9 7.4	8.7 6.2	9.1 6.9	9.4 7.4	9.8 ---	9.1 6.7	9.4 6.8	9.7 6.8	9.9 6.9
B737-400	670 350	1.28	10.1 7.4	9.1 6.4	9.4 7.0	9.7 7.4	10.0 ---	9.4 6.9	9.6 7.0	9.9 7.1	10.1 7.1
B737-500	596 320	1.34	9.6 7.3	8.5 6.1	8.9 6.7	9.3 7.3	9.6 ---	8.9 6.6	9.2 6.7	9.4 6.7	9.6 6.8
B737-600	645 357	1.30	9.7 7.5	8.7 6.3	9.0 6.9	9.3 7.5	9.6 ---	9.1 6.8	9.3 6.9	9.6 7.0	9.7 7.1
B737-700	690 370	1.39	10.1 7.6	9.0 6.5	9.3 7.1	9.6 7.6	10.0 ---	9.4 7.0	9.7 7.1	9.9 7.2	10.1 7.3
B737-800	777 406	1.47	10.7 8.9	9.4 6.7	9.8 7.4	10.1 7.8	10.5 8.9	9.9 7.4	10.2 7.6	10.5 7.7	10.7 7.8
B737-900	777 420	1.47	10.7 8.0	9.4 6.9	9.8 7.5	10.1 7.9	10.5 ---	9.9 7.5	10.2 7.7	10.5 7.8	10.7 8.0
B737-BBJ	763 421	1.47	10.6 8.0	9.3 6.9	9.7 7.5	10.1 7.9	10.5 ---	9.8 7.5	10.1 7.7	10.4 7.9	10.6 8.0
B747-100, 100B, 100SF	3350 1700	1.55	10.7 9.0	10.5 7.0	10.4 7.3	10.4 8.0	10.4 9.0	10.7 7.7	10.7 7.5	10.6 7.3	10.4 7.2
B747-100SR	2690 1600	1.04	9.7 7.4	9.7 6.9	9.4 6.4	8.9 7.4	9.4 ---	9.5 7.1	9.3 6.8	9.0 6.5	8.7 6.3
B747-200B, 200C, 200F, 200M	3720 1750	1.38	11.2 7.9	11.2 7.2	11.0 7.3	11.0 7.9	10.8 ---	11.0 7.7	11.0 7.5	11.0 7.3	10.8 7.2
B747-300, 300M 300SR	3720 1760	1.31	11.2 7.9	11.2 7.2	11.0 7.2	11.0 7.9	10.7 ---	11.0 7.7	11.0 7.5	10.9 7.2	10.7 7.1

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<i><b>Aircraft</b></i>	<i><b>Weight</b></i>	<i><b>Tire</b></i>	<i><b>Flexible Pavement Subgrades</b></i>				<i><b>Rigid Pavement Subgrades</b></i>				
	<i><b>Max/Min</b></i> <i><b>(kN)</b></i>	<i><b>Pressure</b></i> <i><b>(MPa)</b></i>	<i><b>Max</b></i> <i><b>ALR</b></i>	<i><b>S (kN)</b></i>				<i><b>k (MPa/m)</b></i>			
				<i><b>50</b></i>	<i><b>90</b></i>	<i><b>130</b></i>	<i><b>180</b></i>	<i><b>20</b></i>	<i><b>40</b></i>	<i><b>80</b></i>	<i><b>150</b></i>
B747-400, 400F, 400M	3905 1800	1.38	11.4 8.9	11.4 7.3	11.3 7.3	11.2 8.0	11.0 8.9	11.3 7.8	11.3 7.6	11.2 7.4	11.0 7.3
B747-400D (Domestic)	2729 1782	1.04	9.8 7.6	9.8 7.5	9.5 7.1	9.0 7.6	9.5 ---	9.5 7.6	9.4 7.3	9.1 7.0	8.7 6.8
B747-SP	3127 1500	1.26	10.5 7.5	10.5 6.6	10.3 6.6	10.1 7.5	10.0 ---	10.4 7.1	10.3 6.8	10.2 6.5	9.9 6.4
B757-200 Series	1134 570	1.24	9.6 6.9	9.6 6.1	9.4 6.3	9.2 6.9	9.3 ---	9.5 6.5	9.5 6.2	9.3 5.8	9.0 5.6
B757-300	1200 640	1.24	9.9 7.2	9.9 6.6	9.7 6.6	9.5 7.2	9.4 ---	9.8 7.0	9.8 6.7	9.6 6.4	9.3 6.1
B767-200	1410 800	1.31	9.8 7.6	9.8 6.7	9.5 6.8	9.3 7.6	9.8 ---	9.8 7.3	9.7 7.0	9.6 6.8	9.3 6.7
B767-200 ER	1726 830	1.31	10.8 7.7	10.8 6.9	10.6 6.9	10.5 7.7	10.3 ---	10.7 7.4	10.7 7.2	10.6 7.0	10.3 6.9
B767-300	1566 860	1.38	10.3 7.9	10.3 7.0	10.1 7.1	9.9 7.9	10.1 ---	10.3 7.6	10.3 7.4	10.1 7.2	9.9 7.1
B767-300 ER	1784 890	1.38	10.9 8.0	10.9 7.2	10.8 7.3	10.7 8.0	10.1 ---	10.9 7.8	10.9 7.6	10.8 7.4	10.6 7.2
B777-200	2389 1335	1.28	11.0 8.0	11.0 7.0	10.1 7.1	9.1 7.9	10.1 ---	10.9 8.0	10.6 7.5	10.1 7.1	9.7 7.1
B777-200 ER	2823 1343	1.48	11.8 9.0	11.8 6.8	11.1 7.2	10.3 8.0	10.6 9.0	11.7 8.0	11.4 7.6	11.1 7.3	10.7 7.2
B777-200 LR	3345 1424	1.50	12.8 9.1	12.8 7.2	12.1 7.2	11.6 8.2	11.0 9.1	12.5 8.3	12.3 7.9	12.0 7.6	11.7 7.5
B777-300	2945 1562	1.48	12.1 9.3	12.1 7.8	11.4 7.5	10.8 8.4	10.7 9.3	11.9 8.8	11.7 8.4	11.4 8.0	11.0 7.9
B777-300ER	3345 1646	1.50	12.8 9.4	12.8 8.0	12.1 7.6	11.6 8.5	11.0 9.4	12.5 9.0	12.3 8.7	12.0 8.3	11.6 8.1
BAC-111 Series 400	390 220	0.97	8.0 5.8	7.6 5.4	7.8 5.8	8.0 ---	---	7.5 5.4	7.7 5.4	7.9 5.4	8.0 5.4
BAC-111 Series 475	440 230	0.57	8.1 5.4	8.1 5.4	7.9 4.9	7.5 ---	---	7.6 5.2	7.8 5.2	7.8 5.0	7.8 ---
BAC-111 Series 500	467 250	1.10	9.1 6.4	8.2 5.9	8.6 6.4	8.8 ---	9.1 ---	8.3 6.0	8.6 6.0	8.8 6.1	9.0 6.1

## **AIRCRAFT LOAD RATINGS (ALR's)**

<i>Aircraft</i>	<i>Weight</i>	<i>Tire</i>	<i>Max</i> <i>ALR</i>	<i>Flexible Pavement Subgrades</i>				<i>Rigid Pavement Subgrades</i>			
	<i>Max/Min</i> <i>(kN)</i>	<i>Pressure</i> <i>(MPa)</i>		<i>S (kN)</i>				<i>k (MPa/m)</i>			
				<i>50</i>	<i>90</i>	<i>130</i>	<i>180</i>	<i>20</i>	<i>40</i>	<i>80</i>	<i>150</i>
BAe-146-100	376	0.84	7.2	7.1	7.1	7.1	---	7.0	7.1	7.2	7.2
	230		5.3	5.2	5.3	---	---	5.2	5.2	5.1	5.0
BAe-146-200	416	0.97	7.9	7.5	7.6	7.7	---	7.5	7.7	7.8	7.9
	235		5.6	5.3	5.6	---	---	5.4	5.4	5.3	5.3
BAe-146-300	436	1.10	8.2	7.6	7.9	8.1	---	7.8	8.0	8.1	8.2
	245		5.9	5.5	5.9	---	---	5.6	5.6	5.6	5.6
Bae-ATP	232	0.85	5.8	5.6	5.8	---	---	5.6	5.6	5.5	5.6
	140		4.1	4.1	---	---	---	3.8	---	---	---
Beech 1900C, 1900D	76	0.67	2.9	2.9	---	---	---	---	---	---	---
	47		1.0	---	---	---	---	---	---	---	---
Beech 2000 Starship	65	0.54	2.1	2.1	---	---	---	---	---	---	---
	44		1.0	---	---	---	---	---	---	---	---
Beech 35, 36 Series (Bonanza)	16	0.28	1.0	---	---	---	---	---	---	---	---
	10		1.0	---	---	---	---	---	---	---	---
Beech 55, 56, 58 Series (Baron)	25	0.39	1.0	---	---	---	---	---	---	---	---
	16		1.0	---	---	---	---	---	---	---	---
Beech Jet 400, 400A	73	0.86	3.6	3.6	---	---	---	---	---	---	---
	48		2.9	2.9	---	---	---	---	---	---	---
Beech King Air 100, 200 Series	56	0.73	2.4	2.4	---	---	---	---	---	---	---
	36		1.0	---	---	---	---	---	---	---	---
Beech King Air 300, 300C, 350, 350C	67	0.73	2.7	2.7	---	---	---	---	---	---	---
	40		1.0	---	---	---	---	---	---	---	---
Beech King Air 90 Series	49	0.38	1.0	---	---	---	---	---	---	---	---
	27		1.0	---	---	---	---	---	---	---	---
Beech Queen Air 65, 70, 80 Series	40	0.33	1.0	---	---	---	---	---	---	---	---
	25		1.0	---	---	---	---	---	---	---	---
Bombardier 415 (Canadair CL-215, 415)	196	0.53	5.7	5.4	5.7	---	---	5.5	5.6	5.6	5.7
	130		4.3	4.2	---	---	---	4.3	4.2	---	---
Bombardier BD-700 Global Express, XRS	437	1.15	8.6	7.9	8.2	8.5	---	8.0	8.2	8.5	8.6
	230		6.1	5.6	6.1	---	---	5.6	5.7	5.6	5.7
Bombardier Challenger 300	168	1.21	5.7	5.1	5.7	---	---	4.8	4.8	4.7	---
	100		4.1	4.1	---	---	---	---	---	---	---
Bombardier Challenger 800	237	1.12	6.8	6.0	6.5	6.8	---	5.9	6.0	6.1	6.2
	151		5.2	4.7	5.2	---	---	4.3	4.3	---	---

## AIRCRAFT LOAD RATINGS (ALR's)

<i>Aircraft</i>	<i>Weight</i>	<i>Tire</i>	<i>Max</i> <i>ALR</i>	<i>Flexible Pavement Subgrades</i>				<i>Rigid Pavement Subgrades</i>			
	<i>Max/Min</i> <i>(kN)</i>	<i>Pressure</i> <i>(MPa)</i>		<i>S (kN)</i>				<i>k (MPa/m)</i>			
				<i>50</i>	<i>90</i>	<i>130</i>	<i>180</i>	<i>20</i>	<i>40</i>	<i>80</i>	<i>150</i>
Bombardier Challenger CL 600, 601, 604	215 119	1.21	6.3 4.9	5.7 4.4	6.3 4.9	---	---	5.7 ---	5.7 ---	5.8 ---	5.9 ---
Bombardier CRJ100, CRJ200, CRJ440	237 136	1.12	6.8 5.0	6.0 4.6	6.5 5.0	6.8 ---	---	5.9 4.0	6.0 ---	6.1 ---	6.2 ---
Bombardier CRJ700 Series	335 195	1.06	7.2 5.4	6.7 5.0	7.0 5.4	7.2 ---	---	6.9 4.9	7.0 4.8	7.1 4.7	7.1 ---
Bombardier CRJ900 Series	377 212	1.06	7.7 5.6	7.2 5.2	7.4 5.6	7.7 ---	---	7.3 5.2	7.5 5.1	7.6 5.1	7.7 5.1
Bombardier Dash 8 Q100, Q200 Series	162 103	0.90	4.7 3.5	4.5 3.5	4.7 ---	---	---	4.3 ---	4.2 ---	---	---
Bombardier Dash 8 Q300 Series	192 116	0.67	4.8 3.3	4.8 3.3	---	---	---	4.7 ---	4.6 ---	4.4 ---	---
Bombardier Dash 8 Q400	287 168	0.67	6.4 4.3	6.4 4.3	6.2 ---	---	---	6.1 4.3	6.2 4.1	6.1 ---	6.1 ---
Bombardier Global 5000	391 224	1.15	8.1 6.0	7.4 5.5	7.8 6.0	8.1 ---	---	7.6 5.5	7.8 5.6	8.0 5.5	8.1 5.6
C-123K Provider (Fairchild/Republic)	267 180	0.69	7.5 5.9	6.5 5.3	7.0 5.9	7.5 ---	---	6.7 5.5	6.9 5.6	7.1 5.7	7.3 5.8
C-141B Starlifter (Lockheed)	1553 600	1.31	11.1 7.1	11.1 6.4	11.0 6.6	11.1 7.1	10.9 ---	10.9 6.7	11.0 6.4	10.9 6.1	10.8 5.9
C-17A (Globemaster III)	2736 1255	0.95	11.9 7.8	11.9 7.8	11.4 7.0	11.2 7.3	10.5 ---	10.8 7.1	10.5 7.0	10.3 7.0	10.4 7.1
C-5 Galaxy (Lockheed)	3723 1665	0.77	10.0 5.7	10.0 5.7	9.5 5.4	8.9 ---	---	8.1 4.8	7.8 4.6	7.6 4.5	7.6 ---
Canadair CL-41A (CT-114 Tutor)	49 24	0.37	1.0 1.0	---	---	---	---	---	---	---	---
Cessna 114B (Commander)	15 10	0.35	1.0 1.0	---	---	---	---	---	---	---	---
Cessna 152	8 5	0.20	1.0 1.0	---	---	---	---	---	---	---	---
Cessna 172 (Skyhawk)	11 7	0.19	1.0 1.0	---	---	---	---	---	---	---	---
Cessna 180 (Skywagon)	13 8	0.21	1.0 1.0	---	---	---	---	---	---	---	---

## ***AIRCRAFT LOAD RATINGS (ALR's)***

<i><b>Aircraft</b></i>	<i><b>Weight</b></i>	<i><b>Tire</b></i>	<i><b>Max</b></i>	<i><b>Flexible Pavement Subgrades</b></i>				<i><b>Rigid Pavement Subgrades</b></i>			
	<i><b>Max/Min</b></i>	<i><b>Pressure</b></i>		<i><b>ALR</b></i>	<i><b>S (kN)</b></i>				<i><b>k (MPa/m)</b></i>		
	<i><b>(kN)</b></i>	<i><b>(MPa)</b></i>		<i><b>50</b></i>	<i><b>90</b></i>	<i><b>130</b></i>	<i><b>180</b></i>	<i><b>20</b></i>	<i><b>40</b></i>	<i><b>80</b></i>	<i><b>150</b></i>
Cessna 182 (Skylane)	14 9	0.25	1.0 1.0	---	---	---	---	---	---	---	---
Cessna 185 (Skywagon)	15 8	0.25	1.0 1.0	---	---	---	---	---	---	---	---
Cessna 208 (Caravan)	36 18	0.60	1.0 1.0	---	---	---	---	---	---	---	---
Cessna 210 (Centurion)	18 11	0.38	1.0 1.0	---	---	---	---	---	---	---	---
Cessna 310	25 16	0.42	1.0 1.0	---	---	---	---	---	---	---	---
Cessna 337 (Skymaster)	21 14	0.38	1.0 1.0	---	---	---	---	---	---	---	---
Cessna 401	28 20	0.45	1.0 1.0	---	---	---	---	---	---	---	---
Cessna 402C, 414A (Chancellor)	31 19	0.48	1.0 1.0	---	---	---	---	---	---	---	---
Cessna 421 (Golden Eagle)	34 22	0.55	1.0 1.0	---	---	---	---	---	---	---	---
Cessna 441 (Conquest II)	44 26	0.66	2.3 1.0	2.3	---	---	---	---	---	---	---
Cessna 501 (Citation I - Eagle)	56 30	0.69	2.8 1.0	2.8	---	---	---	---	---	---	---
Cessna 525 (Citation Jet)	47 29	0.68	2.5 1.0	2.5	---	---	---	---	---	---	---
Cessna 550 (Citation II)	64 35	0.69	3.0 1.0	3.0	---	---	---	---	---	---	---
Cessna 550 (Citation Bravo)	67 39	0.69	3.1 2.2	3.1 2.2	---	---	---	---	---	---	---
Cessna 560 (Citation V, Ultra, Encore)	75 56	0.69	3.3 2.8	3.3 2.8	---	---	---	---	---	---	---
Cessna 560 XL (Citation Excel)	90 58	1.48	5.6 4.8	4.6 3.9	5.6 4.8	---	---	3.9	---	---	---
Cessna 650 (Citation III, VI)	99 53	1.02	4.2 3.0	4.2 3.0	---	---	---	---	---	---	---



## ***AIRCRAFT LOAD RATINGS (ALR's)***

<i><b>Aircraft</b></i>	<i><b>Weight</b></i>	<i><b>Tire</b></i>	<i><b>Max</b></i>	<i><b>Flexible Pavement Subgrades</b></i>				<i><b>Rigid Pavement Subgrades</b></i>			
	<i><b>Max/Min</b></i>	<i><b>Pressure</b></i>		<i><b>ALR</b></i>	<i><b>S (kN)</b></i>				<i><b>k (MPa/m)</b></i>		
	<i><b>(kN)</b></i>	<i><b>(MPa)</b></i>		<i><b>50</b></i>	<i><b>90</b></i>	<i><b>130</b></i>	<i><b>180</b></i>	<i><b>20</b></i>	<i><b>40</b></i>	<i><b>80</b></i>	<i><b>150</b></i>
Cessna 650	104	1.16	4.9	4.5	4.9	---	---	---	---	---	---
(Citation VII)	62		3.5	3.5	---	---	---	---	---	---	---
Cessna 750	160	1.16	5.9	5.3	5.9	---	---	4.9	4.9	4.9	5.1
(Citation X)	96		4.2	4.2	---	---	---	---	---	---	---
Cessna Conquest	45	0.59	2.2	2.2	---	---	---	---	---	---	---
	26		1.0	---	---	---	---	---	---	---	---
Cessna T303	23	0.40	1.0	---	---	---	---	---	---	---	---
(Crusader)	15		1.0	---	---	---	---	---	---	---	---
CF-18	249	1.38	7.8	6.0	7.0	7.8	---	6.5	6.8	7.1	7.4
	110		5.5	4.5	5.5	---	---	4.0	4.0	---	---
Convair 240	190	0.64	4.5	4.5	---	---	---	4.5	4.4	---	---
	125		3.2	3.2	---	---	---	---	---	---	---
Convair 340, 440, 540	222	0.47	4.8	4.8	---	---	---	4.7	4.6	---	---
	140		3.0	3.0	---	---	---	---	---	---	---
Convair 580	259	0.59	5.5	5.5	5.1	---	---	5.4	5.4	5.2	5.1
	150		3.6	3.6	---	---	---	---	---	---	---
Convair 5800	280	0.59	5.9	5.9	5.4	---	---	5.7	5.7	5.5	5.4
	150		3.6	3.6	---	---	---	---	---	---	---
Convair 600	210	0.73	5.0	5.0	4.9	---	---	4.9	4.8	4.7	---
	140		3.8	3.8	---	---	---	---	---	---	---
Convair 640	245	0.52	5.2	5.2	---	---	---	5.1	5.0	4.7	---
	140		3.1	3.1	---	---	---	---	---	---	---
Convair 880	860	1.03	9.1	9.1	9.0	8.9	---	8.7	8.7	8.5	8.1
	400		5.7	5.6	5.7	---	---	5.3	5.0	4.5	---
Convair 990	1135	1.28	10.4	10.2	10.3	10.4	10.3	10.0	10.1	10.1	9.9
	600		7.5	7.1	7.3	7.5	---	7.2	7.0	6.7	6.4
Dassault Falcon 2000	164	1.36	5.9	5.3	5.9	---	---	4.9	4.9	4.9	5.0
	93		4.2	4.2	---	---	---	---	---	---	---
Dassault Falcon 2000EX	189	1.51	7.0	5.7	6.5	7.0	---	5.4	5.5	5.5	5.7
	100		5.0	4.5	5.0	---	---	---	---	---	---
Dassault Falcon 10	84	0.93	3.8	3.8	---	---	---	---	---	---	---
	50		2.8	2.8	---	---	---	---	---	---	---
Dassault Falcon 20	128	0.92	5.1	4.6	5.1	---	---	4.2	4.2	---	---
	75		3.6	3.6	---	---	---	---	---	---	---

## ***AIRCRAFT LOAD RATINGS (ALR's)***

<i><b>Aircraft</b></i>	<i><b>Weight</b></i>	<i><b>Tire</b></i>	<i><b>Flexible Pavement Subgrades</b></i>				<i><b>Rigid Pavement Subgrades</b></i>				
	<i><b>Max/Min</b></i> <i><b>(kN)</b></i>	<i><b>Pressure</b></i> <i><b>(MPa)</b></i>	<i><b>Max</b></i> <i><b>ALR</b></i>	<i><b>S (kN)</b></i>				<i><b>k (MPa/m)</b></i>			
				<i><b>50</b></i>	<i><b>90</b></i>	<i><b>130</b></i>	<i><b>180</b></i>	<i><b>20</b></i>	<i><b>40</b></i>	<i><b>80</b></i>	<i><b>150</b></i>
Dassault Falcon 50	173 90	0.93	5.4 3.6	5.1 3.6	5.4 ---	---	---	4.8 ---	4.8 ---	4.8 ---	---
Dassault Falcon 900	202 103	1.30	6.3 4.3	5.6 4.3	6.3 ---	---	---	5.5 ---	5.5 ---	5.6 ---	5.7 ---
DC-10-10, 10CF, 15	2037 1035	1.34	11.0 9.2	11.0 7.3	10.8 7.3	10.7 8.3	10.7 9.2	11.0 8.0	10.9 7.8	10.8 7.6	10.7 7.7
DC-10-20, 20CF, 30CF, 40CF	2485 1640	1.14	11.4 9.7	11.4 9.3	11.1 8.9	10.9 8.9	10.7 9.7	11.1 9.3	11.1 9.1	10.9 8.9	10.7 8.8
DC-10-30, 30ER, 40	2593 1220	1.22	11.3 8.9	11.3 7.2	11.0 7.1	10.9 8.1	10.8 8.9	11.1 7.8	11.0 7.6	10.9 7.4	10.7 7.4
DC-3	147 80	0.31	4.1 2.3	4.0 2.3	---	---	---	4.1 ---	---	---	---
DC-4	335 200	0.53	6.3 4.2	6.3 4.1	5.6 ---	---	---	6.1 4.2	6.0 4.0	5.8 ---	5.6 ---
DC-6, 6B	480 300	0.73	7.6 5.6	7.6 5.5	7.4 5.4	7.0 ---	---	7.4 5.6	7.5 5.6	7.5 5.4	7.4 5.3
DC-7 (All Models)	640 400	0.89	9.4 7.3	9.1 7.1	9.2 7.2	9.2 7.1	9.0 ---	9.0 7.2	9.2 7.2	9.4 7.3	9.4 7.3
DC-8-10, 20 Series	1226 600	1.01	10.1 6.5	10.1 6.5	10.0 6.4	9.8 ---	9.3 ---	9.6 6.4	9.6 6.1	9.4 5.7	9.0 5.5
DC-8-43, 55, 61, 71	1470 800	1.30	10.9 7.9	10.8 7.8	10.8 7.9	10.9 7.9	10.8 ---	10.6 7.9	10.6 7.7	10.5 7.4	10.3 7.2
DC-8-61F, 63F	1557 1001	1.32	11.2 9.0	11.1 8.9	11.1 8.9	11.2 8.9	11.1 9.0	10.8 8.9	10.9 8.8	10.8 8.6	10.7 8.3
DC-8-62, 62F, 63, 72, 73	1593 800	1.35	11.1 7.8	11.1 7.6	11.0 7.7	11.1 7.8	11.1 ---	10.8 7.8	10.9 7.6	10.9 7.4	10.7 7.1
DC-9-10, 15	404 300	0.93	7.8 6.5	7.5 6.3	7.7 6.5	7.7 ---	---	7.5 6.4	7.6 6.4	7.7 6.4	7.8 6.4
DC-9-21	445 300	1.02	8.4 6.8	7.9 6.3	8.1 6.6	8.3 6.8	---	7.9 6.4	8.1 6.5	8.3 6.5	8.4 6.6
DC-9-30, 32	485 300	1.05	8.7 6.5	8.2 6.2	8.4 6.5	8.5 ---	---	8.2 6.4	8.4 6.5	8.6 6.5	8.7 6.5
DC-9-41, 50, 51	543 300	1.17	9.3 6.8	8.5 6.1	8.8 6.6	9.1 6.8	9.3 ---	8.7 6.4	8.9 6.5	9.1 6.5	9.3 6.6

## AIRCRAFT LOAD RATINGS (ALR's)

<i>Aircraft</i>	<i>Weight</i>	<i>Tire</i>	<i>Max</i> <i>ALR</i>	<i>Flexible Pavement Subgrades</i>				<i>Rigid Pavement Subgrades</i>			
	<i>Max/Min</i> <i>(kN)</i>	<i>Pressure</i> <i>(MPa)</i>		<i>S (kN)</i>				<i>k (MPa/m)</i>			
				<i>50</i>	<i>90</i>	<i>130</i>	<i>180</i>	<i>20</i>	<i>40</i>	<i>80</i>	<i>150</i>
DHC1 Chipmunk	10 7	0.21	1.0 1.0	---	---	---	---	---	---	---	---
DHC2 Beaver	25 14	0.17	1.0 1.0	---	---	---	---	---	---	---	---
DHC3 Otter	36 20	0.20	1.0 1.0	---	---	---	---	---	---	---	---
DHC4 Caribou	130 90	0.28	1.0 1.0	---	---	---	---	---	---	---	---
DHC5 Buffalo	187 115	0.41	4.3 2.5	4.3 2.5	---	---	---	4.3 ---	4.1 ---	---	---
DHC6 Twin Otter Series 300	56 35	0.26	1.0 1.0	---	---	---	---	---	---	---	---
DHC7 Dash 7	209 120	0.74	5.4 3.7	5.4 3.7	5.4 ---	---	---	5.2 ---	5.2 ---	5.2 ---	5.2 ---
DHS-2 Conair Firecat	116 80	0.62	4.1 3.3	4.1 3.3	---	---	---	4.1 ---	4.1 ---	---	---
Dornier 228 Series	63 32	0.90	3.4 2.3	3.4 2.3	---	---	---	---	---	---	---
Dornier 328 Jet	155 93	1.13	5.3 3.8	4.8 3.8	5.3 ---	---	---	4.4 ---	4.4 ---	---	---
Dornier 328-110 (Turboprop)	138 90	0.80	4.3 3.2	4.3 3.2	---	---	---	3.9 ---	---	---	---
Dornier SA227 (Metro, Merlin, Expediter)	74 43	0.73	3.0 1.0	3.0 ---	---	---	---	---	---	---	---
Douglas A-26 Invader	120 90	0.48	3.9 3.2	3.9 3.2	---	---	---	3.9 ---	---	---	---
Douglas B-26 Invader	156 105	0.48	4.9 3.6	4.6 3.6	4.9 ---	---	---	4.7 ---	4.7 ---	4.7 ---	---
Embraer 170, 175	368 208	1.04	7.6 5.5	7.1 5.2	7.3 5.5	7.6 ---	---	7.2 5.1	7.4 5.1	7.5 5.0	7.5 5.0
Embraer 190, 195	481 266	1.10	8.9 6.3	8.2 5.9	8.5 6.3	8.7 ---	8.9 ---	8.3 6.0	8.5 6.1	8.7 6.1	8.9 6.1
Embraer EMB-110 (Bandeirante)	59 35	0.62	2.8 1.0	2.8 ---	---	---	---	---	---	---	---

## ***AIRCRAFT LOAD RATINGS (ALR's)***

<i><b>Aircraft</b></i>	<i><b>Weight</b></i>	<i><b>Tire</b></i>	<i><b>Flexible Pavement Subgrades</b></i>				<i><b>Rigid Pavement Subgrades</b></i>				
	<i><b>Max/Min</b></i> <i><b>(kN)</b></i>	<i><b>Pressure</b></i> <i><b>(MPa)</b></i>	<i><b>Max</b></i> <i><b>ALR</b></i>	<i><b>S (kN)</b></i>				<i><b>k (MPa/m)</b></i>			
				<i><b>50</b></i>	<i><b>90</b></i>	<i><b>130</b></i>	<i><b>180</b></i>	<i><b>20</b></i>	<i><b>40</b></i>	<i><b>80</b></i>	<i><b>150</b></i>
Embraer EMB-120 (Brasilia) Series	119	0.76	3.9	3.9	---	---	---	---	---	---	---
	71		2.7	2.7	---	---	---	---	---	---	---
Embraer ERJ-145 Series	237	0.90	6.3	6.0	6.3	---	---	5.9	6.0	6.0	6.1
	123		4.1	4.1	---	---	---	---	---	---	---
Fokker 100	452	0.94	8.4	8.0	8.2	8.3	---	8.0	8.1	8.3	8.4
	243		5.8	5.6	5.8	---	---	5.6	5.6	5.6	5.6
Fokker 50	205	0.59	5.2	5.2	4.8	---	---	5.0	4.9	4.8	---
	125		3.5	3.5	---	---	---	---	---	---	---
Fokker 60	226	0.62	5.6	5.6	5.3	---	---	5.4	5.4	5.3	5.2
	131		3.7	3.7	---	---	---	---	---	---	---
Fokker 70	410	0.81	7.8	7.7	7.7	7.7	---	7.5	7.6	7.7	7.8
	225		5.3	5.3	5.3	---	---	5.3	5.2	5.1	5.1
Fokker F27 Friendship	205	0.57	5.2	5.2	4.7	---	---	5.0	4.9	4.8	---
	120		3.3	3.3	---	---	---	---	---	---	---
Fokker F28 Fellowship	325	0.53	6.8	6.8	6.3	---	---	6.4	6.4	6.3	6.2
	175		4.2	4.2	---	---	---	4.2	---	---	---
Gulfstream G100 (IAI-1125-Astra SPX)	111	0.86	4.0	4.0	---	---	---	---	---	---	---
	61		2.8	2.8	---	---	---	---	---	---	---
Gulfstream G159	156	0.83	4.7	4.6	4.7	---	---	4.3	4.3	---	---
	100		3.5	3.5	---	---	---	---	---	---	---
Gulfstream G200 (IAI-1126-Galaxy)	159	0.86	5.2	4.9	5.2	---	---	4.6	4.6	4.5	---
	88		3.5	3.5	---	---	---	---	---	---	---
Gulfstream II	294	1.04	7.3	6.6	7.0	7.3	---	6.6	6.8	6.9	7.0
	163		5.2	4.8	5.2	---	---	4.5	4.5	---	---
Gulfstream III	312	1.21	7.7	6.8	7.3	7.7	---	7.0	7.1	7.3	7.4
	170		5.6	5.1	5.6	---	---	4.7	4.7	4.7	---
Gulfstream IV	334	1.21	7.9	7.0	7.5	7.9	---	7.2	7.4	7.6	7.7
	189		5.9	5.3	5.9	---	---	5.1	5.1	5.1	5.2
Gulfstream V	405	1.37	9.2	7.6	8.3	8.7	9.2	8.0	8.3	8.5	8.7
	215		6.9	5.7	6.4	6.9	---	5.6	5.7	5.8	5.9
Hawker 1000 (BAe 1000A)	138	0.83	4.8	4.6	4.8	---	---	4.2	4.1	---	---
	77		3.2	3.2	---	---	---	---	---	---	---
Hawker 400XP (Beech Jet 400A)	73	0.86	3.6	3.6	---	---	---	---	---	---	---
	58		3.2	3.2	---	---	---	---	---	---	---

## ***AIRCRAFT LOAD RATINGS (ALR's)***

<i><b>Aircraft</b></i>	<i><b>Weight</b></i>	<i><b>Tire</b></i>	<i><b>Flexible Pavement Subgrades</b></i>				<i><b>Rigid Pavement Subgrades</b></i>				
	<i><b>Max/Min</b></i> <i><b>(kN)</b></i>	<i><b>Pressure</b></i> <i><b>(MPa)</b></i>	<i><b>Max</b></i> <i><b>ALR</b></i>	<i><b>S (kN)</b></i>				<i><b>k (MPa/m)</b></i>			
				<i><b>50</b></i>	<i><b>90</b></i>	<i><b>130</b></i>	<i><b>180</b></i>	<i><b>20</b></i>	<i><b>40</b></i>	<i><b>80</b></i>	<i><b>150</b></i>
Hawker 800, 800XP (HS-125-800, 800XP)	125 74	0.83	4.3 3.1	4.3 3.1	---	---	---	3.8 ---	---	---	---
Hercules C-130, 082, 182, 282, 382	778 360	0.67	9.1 6.0	8.9 5.5	8.8 5.8	8.5 ---	---	8.9 6.0	9.0 5.9	9.1 5.9	9.1 5.9
Hercules L-100 (Commercial)	693 340	0.74	8.8 5.8	8.4 5.3	8.3 5.8	8.3 ---	---	8.5 5.8	8.6 5.8	8.7 5.8	8.8 5.8
HS/BAe 125 (All Series to 600)	112 61	0.83	4.0 2.8	4.0 2.8	---	---	---	---	---	---	---
HS/BAe 700	114 62	0.88	4.1 2.9	4.1 2.9	---	---	---	---	---	---	---
HS/BAe 748	227 120	0.51	5.4 3.1	5.4 3.1	4.8 ---	---	---	5.2 ---	5.1 ---	5.0 ---	---
Ilyushin IL-18	625 350	0.80	7.1 4.4	7.1 4.4	6.3 ---	---	---	6.9 4.4	6.6 ---	6.1 ---	5.5 ---
Ilyushin IL-62, 62M	1648 651	1.65	11.3 7.6	10.8 6.6	10.9 7.1	11.2 7.6	11.3 ---	10.8 6.8	10.9 6.6	10.9 6.4	10.8 6.4
Ilyushin IL-76T	1677 822	0.64	9.7 5.8	9.7 5.8	9.0 ---	7.9 ---	---	8.2 5.1	8.0 5.0	8.1 4.9	8.1 ---
Ilyushin IL-76TD	1775 920	0.66	10.0 6.4	10.0 6.4	9.3 5.0	8.5 ---	---	8.4 5.6	8.3 5.5	8.3 5.4	8.4 5.4
Ilyushin IL-86	2054 1089	0.88	9.5 6.8	9.5 6.0	8.9 6.2	8.5 6.8	9.1 ---	9.1 6.3	8.9 5.9	8.5 5.6	8.2 5.6
Jetstream 31, 32 (BAe)	69 44	0.39	2.3 1.0	2.3 ---	---	---	---	---	---	---	---
Jetstream 41 (BAe)	107 63	0.83	3.7 2.6	3.7 2.6	---	---	---	---	---	---	---
KC-10 (McDonnell Douglas)	2593 1800	1.22	11.3 9.8	11.3 9.4	11.0 9.0	10.9 9.1	10.8 9.8	11.1 9.5	11.0 9.4	10.9 9.2	10.7 9.0
KC-135 Stratotanker (Boeing)	1342 800	1.38	9.8 7.6	9.8 7.1	9.7 7.3	9.7 7.6	9.6 ---	9.8 7.4	9.7 7.2	9.5 7.0	9.3 6.9
L-1011-1 Tristar	1913 1070	1.35	10.7 9.3	10.7 7.5	10.5 7.5	10.5 8.4	10.6 9.3	10.7 8.1	10.6 7.9	10.4 7.8	10.3 7.8
L-1011-100, 200 Tristar	2073 1090	1.35	11.1 9.3	11.1 7.7	11.0 7.6	10.9 8.4	10.8 9.3	11.0 8.2	10.9 8.0	10.8 7.9	10.7 7.9

## ***AIRCRAFT LOAD RATINGS (ALR's)***

<i><b>Aircraft</b></i>	<i><b>Weight</b></i>	<i><b>Tire</b></i>	<i><b>Max</b></i>	<i><b>Flexible Pavement Subgrades</b></i>				<i><b>Rigid Pavement Subgrades</b></i>			
	<i><b>Max/Min</b></i>	<i><b>Pressure</b></i>		<i><b>ALR</b></i>	<i><b>S (kN)</b></i>				<i><b>k (MPa/m)</b></i>		
	<i><b>(kN)</b></i>	<i><b>(MPa)</b></i>		<i><b>50</b></i>	<i><b>90</b></i>	<i><b>130</b></i>	<i><b>180</b></i>	<i><b>20</b></i>	<i><b>40</b></i>	<i><b>80</b></i>	<i><b>150</b></i>
L-1011-250 Tristar	2269 1108	1.35	11.6 9.3	11.6 7.7	11.4 7.7	11.4 8.4	11.1 9.3	11.4 8.2	11.3 8.1	11.2 7.9	11.1 7.9
L-1011-500 Tristar	2295 1070	1.35	11.6 9.3	11.6 7.5	11.5 7.5	11.4 8.4	11.2 9.3	11.4 8.1	11.4 7.9	11.3 7.8	11.2 7.8
Learjet 24F (Bombardier)	62 32	0.79	2.9 1.0	2.9 ---	---	---	---	---	---	---	---
Learjet 25D, 25F (Bombardier)	69 34	0.79	3.1 1.0	3.1 ---	---	---	---	---	---	---	---
Learjet 25G (Bombardier)	75 37	0.79	3.3 1.0	3.3 ---	---	---	---	---	---	---	---
Learjet 28, 29 (Long- horn) (Bombardier)	69 37	0.79	3.1 1.0	3.1 ---	---	---	---	---	---	---	---
Learjet 31A, 35A, 36A (Bombardier)	83 45	0.79	3.4 2.1	3.4 2.1	---	---	---	---	---	---	---
Learjet 40, 45, 45XR (Bombardier)	98 61	0.79	3.8 2.8	3.8 2.8	---	---	---	---	---	---	---
Learjet 55B, 55C (Bombardier)	97 58	1.24	4.9 3.5	4.4 3.5	4.9 ---	---	---	---	---	---	---
Learjet 60 (Bombardier)	106 63	1.48	5.5 3.9	4.8 3.9	5.5 ---	---	---	---	---	---	---
Lockheed 188 Electra	503 255	0.95	8.7 5.8	8.3 5.6	8.5 5.8	8.5 ---	---	8.2 5.7	8.4 5.7	8.6 5.6	8.7 5.6
MD-11	2805 1200	1.38	11.6 9.1	11.6 7.0	11.4 7.2	11.4 8.2	11.1 9.1	11.5 7.8	11.5 7.6	11.4 7.5	11.3 7.5
MD-81	628 350	1.14	9.8 7.3	9.1 6.6	9.3 7.0	9.5 7.3	9.8 ---	9.2 6.9	9.4 7.0	9.7 7.1	9.8 7.2
MD-82	670 350	1.14	10.1 7.3	9.3 6.6	9.5 7.0	9.8 7.3	10.0 ---	9.4 6.9	9.6 7.0	9.9 7.1	10.1 7.1
MD-83	716 355	1.14	10.4 7.3	9.6 6.6	9.8 7.0	10.1 7.3	10.3 ---	9.6 6.9	9.9 7.1	10.2 7.1	10.4 7.2
MD-87	628 335	1.14	9.8 7.1	9.1 6.4	9.3 6.9	9.5 7.1	9.8 ---	9.2 6.8	9.4 6.9	9.7 6.9	9.8 7.0
MD-88	670 350	1.14	10.1 7.3	9.3 6.6	9.6 7.0	9.8 7.3	10.0 ---	9.4 6.9	9.7 7.0	9.9 7.1	10.1 7.2

## ***AIRCRAFT LOAD RATINGS (ALR's)***

<i><b>Aircraft</b></i>	<i><b>Weight</b></i>	<i><b>Tire</b></i>	<i><b>Max</b></i>	<i><b>Flexible Pavement Subgrades</b></i>				<i><b>Rigid Pavement Subgrades</b></i>			
	<i><b>Max/Min</b></i>	<i><b>Pressure</b></i>		<i><b>ALR</b></i>	<i><b>S (kN)</b></i>				<i><b>k (MPa/m)</b></i>		
	<i><b>(kN)</b></i>	<i><b>(MPa)</b></i>		<i><b>50</b></i>	<i><b>90</b></i>	<i><b>130</b></i>	<i><b>180</b></i>	<i><b>20</b></i>	<i><b>40</b></i>	<i><b>80</b></i>	<i><b>150</b></i>
MD-90-30	699 392	1.14	10.3 7.7	9.5 7.0	9.7 7.3	10.0 7.7	10.2 ---	9.5 7.3	9.8 7.5	10.1 7.6	10.3 7.6
MD-90-30ER	739 392	1.14	10.5 7.7	9.7 7.0	9.9 7.3	10.2 7.7	10.4 ---	9.7 7.3	10.0 7.5	10.3 7.6	10.5 7.6
MD-90-50, 55	772 410	1.14	10.7 7.8	9.9 7.2	10.1 7.5	10.4 7.8	10.6 ---	9.9 7.5	10.2 7.6	10.5 7.8	10.7 7.8
Mitsubishi MU-2 Srs	52 32	0.48	2.1 1.0	2.1 ---	---	---	---	---	---	---	---
Piper Aerostar	29 20	0.48	1.0 1.0	---	---	---	---	---	---	---	---
Piper Apache	21 13	0.29	1.0 1.0	---	---	---	---	---	---	---	---
Piper Archer II, III	12 7	0.17	1.0 1.0	---	---	---	---	---	---	---	---
Piper Arrow III, IV	14 8	0.21	1.0 1.0	---	---	---	---	---	---	---	---
Piper Aztec	30 18	0.42	1.0 1.0	---	---	---	---	---	---	---	---
Piper Cheyenne I, II	41 23	0.55	1.0 1.0	---	---	---	---	---	---	---	---
Piper Cheyenne III	50 31	0.69	2.6 1.0	2.6 ---	---	---	---	---	---	---	---
Piper Commache	21 13	0.29	1.0 1.0	---	---	---	---	---	---	---	---
Piper Cub (& Super Cub)	8 5	0.13	1.0 1.0	---	---	---	---	---	---	---	---
Piper Dakota	14 8	0.17	1.0 1.0	---	---	---	---	---	---	---	---
Piper Malibu, Mirage, Meridian	21 14	0.35	1.0 1.0	---	---	---	---	---	---	---	---
Piper Mojave	33 23	0.42	1.0 1.0	---	---	---	---	---	---	---	---
Piper Navajo	29 18	0.42	1.0 1.0	---	---	---	---	---	---	---	---

## ***AIRCRAFT LOAD RATINGS (ALR's)***

<i><b>Aircraft</b></i>	<i><b>Weight</b></i>	<i><b>Tire</b></i>	<i><b>Max</b></i>	<i><b>Flexible Pavement Subgrades</b></i>				<i><b>Rigid Pavement Subgrades</b></i>			
	<i><b>Max/Min</b></i>	<i><b>Pressure</b></i>		<i><b>ALR</b></i>	<i><b>S (kN)</b></i>				<i><b>k (MPa/m)</b></i>		
	<i><b>(kN)</b></i>	<i><b>(MPa)</b></i>		<i><b>50</b></i>	<i><b>90</b></i>	<i><b>130</b></i>	<i><b>180</b></i>	<i><b>20</b></i>	<i><b>40</b></i>	<i><b>80</b></i>	<i><b>150</b></i>
Piper Saratoga	16 10	0.38	1.0 1.0	---	---	---	---	---	---	---	---
Piper Saratoga II	16 11	0.27	1.0 1.0	---	---	---	---	---	---	---	---
Piper Seminole	17 11	0.25	1.0 1.0	---	---	---	---	---	---	---	---
Piper Seneca III, V	22 14	0.38	1.0 1.0	---	---	---	---	---	---	---	---
Piper Warrior II, III	11 7	0.17	1.0 1.0	---	---	---	---	---	---	---	---
Saab 2000	226 136	0.69	5.6 3.9	5.6 3.9	5.5 ---	---	---	5.4 ---	5.4 ---	5.3 ---	5.3 ---
Saab 340 A, B	131 81	0.82	4.1 3.0	4.1 3.0	---	---	---	3.8 ---	---	---	---
Sepecat Jaguar (Configuration 1)	154 76	0.58	4.5 2.5	4.5 2.5	---	---	---	4.3 ---	4.2 ---	---	---
Sepecat Jaguar (Configuration 2)	108 76	0.58	3.4 2.5	3.4 2.5	---	---	---	---	---	---	---
Shorts 330	102 66	0.55	3.7 2.8	3.7 2.8	---	---	---	---	---	---	---
Shorts 360	121 77	0.54	4.1 3.0	4.0 3.0	---	---	---	4.1 ---	4.0 ---	---	---
Shorts Sherpa	114 80	0.54	3.9 3.1	3.9 3.1	---	---	---	3.9 ---	---	---	---
Shorts Skyvan	67 35	0.28	1.0 1.0	---	---	---	---	---	---	---	---
Swearingen SJ30-2	60 36	1.07	3.2 2.2	3.2 2.2	---	---	---	---	---	---	---
T-33 Trainer (CT-133) (Lockheed)	54 38	0.42	1.0 1.0	---	---	---	---	---	---	---	---
Transall C-160	500 285	0.38	5.9 2.9	5.9 2.9	---	---	---	4.9 ---	4.3 ---	---	---
Tupolev TU-134	463 285	0.59	6.2 3.9	6.2 3.9	4.9 ---	---	---	5.7 ---	5.3 ---	4.7 ---	---



## ***AIRCRAFT LOAD RATINGS (ALR's)***

<i><b>Aircraft</b></i>	<i><b>Weight</b></i>	<i><b>Tire</b></i>	<i><b>Flexible Pavement Subgrades</b></i>				<i><b>Rigid Pavement Subgrades</b></i>				
	<i><b>Max/Min</b></i> <i><b>(kN)</b></i>	<i><b>Pressure</b></i> <i><b>(MPa)</b></i>	<i><b>Max</b></i> <i><b>ALR</b></i>	<i><b>S (kN)</b></i>				<i><b>k (MPa/m)</b></i>			
			<i><b>50</b></i>	<i><b>90</b></i>	<i><b>130</b></i>	<i><b>180</b></i>	<i><b>20</b></i>	<i><b>40</b></i>	<i><b>80</b></i>	<i><b>150</b></i>	
Tupolev TU-154	961 525	0.93	8.9 5.4	8.9 5.4	8.0 ---	---	8.3 5.4	8.1 4.8	7.5 ---	6.6 ---	
Tupolev TU-204, 214, 224, 234	1096 560	1.38	9.3 7.1	9.0 6.0	8.9 6.3	8.9 7.1	9.3 ---	9.2 6.2	9.1 5.9	8.9 5.6	8.6 5.5
VC10 Series	1590 785	1.01	11.0 7.5	11.0 7.5	10.8 7.3	10.8 7.3	10.5 ---	10.5 7.3	10.4 7.0	10.3 6.7	9.9 6.5