Transport Canada
Aerodrome Standards

Aircraft Pavement Design and Evaluation Charts for "A" Aircraft

This document contains "Pavement Design & Evaluation Charts" (DEC's) for the aircraft models beginning with the letter "A". Both flexible and rigid pavement charts are available for most aircraft.

For light weight aircraft, only a flexible pavement chart has been included because rigid pavement design requirements for the aircraft fall well below minimum design thicknesses for concrete slabs. On flexible pavement charts for light weight aircraft, only the design curve at the stated maximum operating weight is shown along with a line indicating minimum pavement thickness requirements for the aircraft. In most cases, the flexible pavement design curve will fall either fully or partially below the minimum thickness requirements line.

The charts have been developed using historical Transport Canada and Public Works and Government Services Canada (PWGSC) methods for the structural design of flexible and rigid airfield pavement systems. The appropriate technical publications should be consulted for complete details on design terminology, assumptions, theory, methods and pavement construction material requirements.

To use a "Flexible Pavement Design & Evaluation Chart":

a) For Design - Enter the chart with an "S" value on the top horizontal axis. Proceed downwards to the "1.00 Design Line", then horizontally across to the appropriate aircraft weight line, and downwards to read the required pavement granular design thickness "t" from the bottom horizontal axis.

b) For Evaluation - Enter the chart with the existing pavement granular thickness "t" value on the bottom horizontal axis. Proceed upwards to the appropriate aircraft weight line, and then horizontally across to intersect with a vertical line extended down from the appropriate "S" value on the top horizontal axis. Interpolate the point of intersection between the set of "Overload Ratio" curves to determine the degree of pavement structural overload. Full operations by the aircraft can normally be permitted for overload ratios <= 1.25.

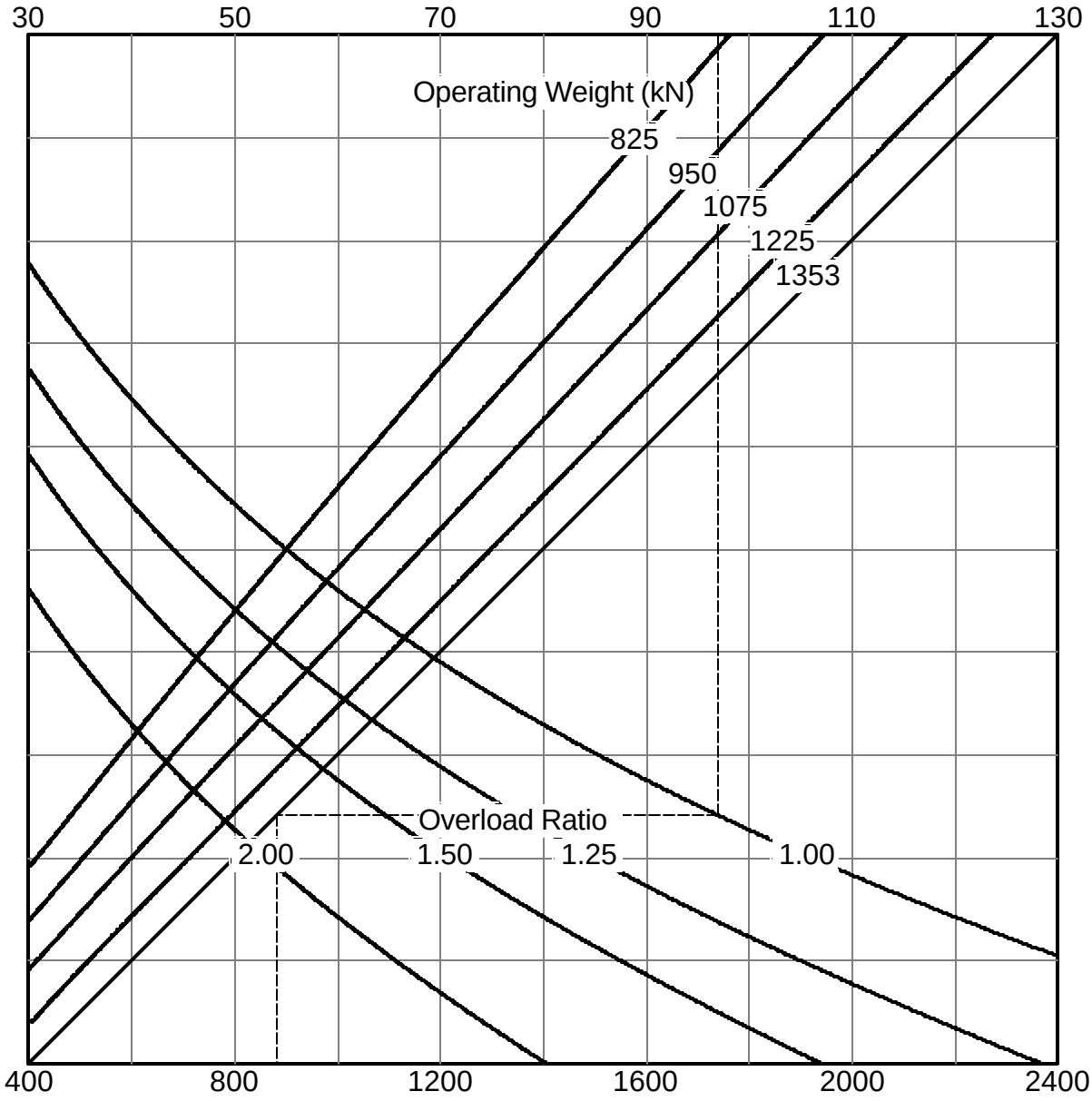
To use a "Rigid Pavement Design & Evaluation Chart":

a) For Design - Enter the chart with a "k" value on the top horizontal axis. Proceed downwards to the "1.00 Design Line (2.75 MPa), then horizontally across to the appropriate aircraft weight line, and downwards to read the required slab thickness "h" from the bottom horizontal axis.

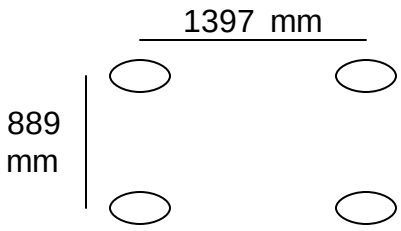
b) For Evaluation - Enter the chart with the existing slab “h” value on the bottom horizontal axis. Proceed upwards to the appropriate aircraft weight line, and then horizontally across to intersect with a vertical line extended down from the appropriate bearing modulus “k” value on the top horizontal axis. Interpolate the point of intersection between the set of “Overload Ratio” curves to determine the slab flexural stress (MPa) and the degree of pavement structural overload. Full operations by the aircraft can normally be permitted for overload ratios <= 1.25.

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A300-B, B2
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	1397 mm 889 mm
Tire Pressure (MPa) Pression des Pneus	1.16	

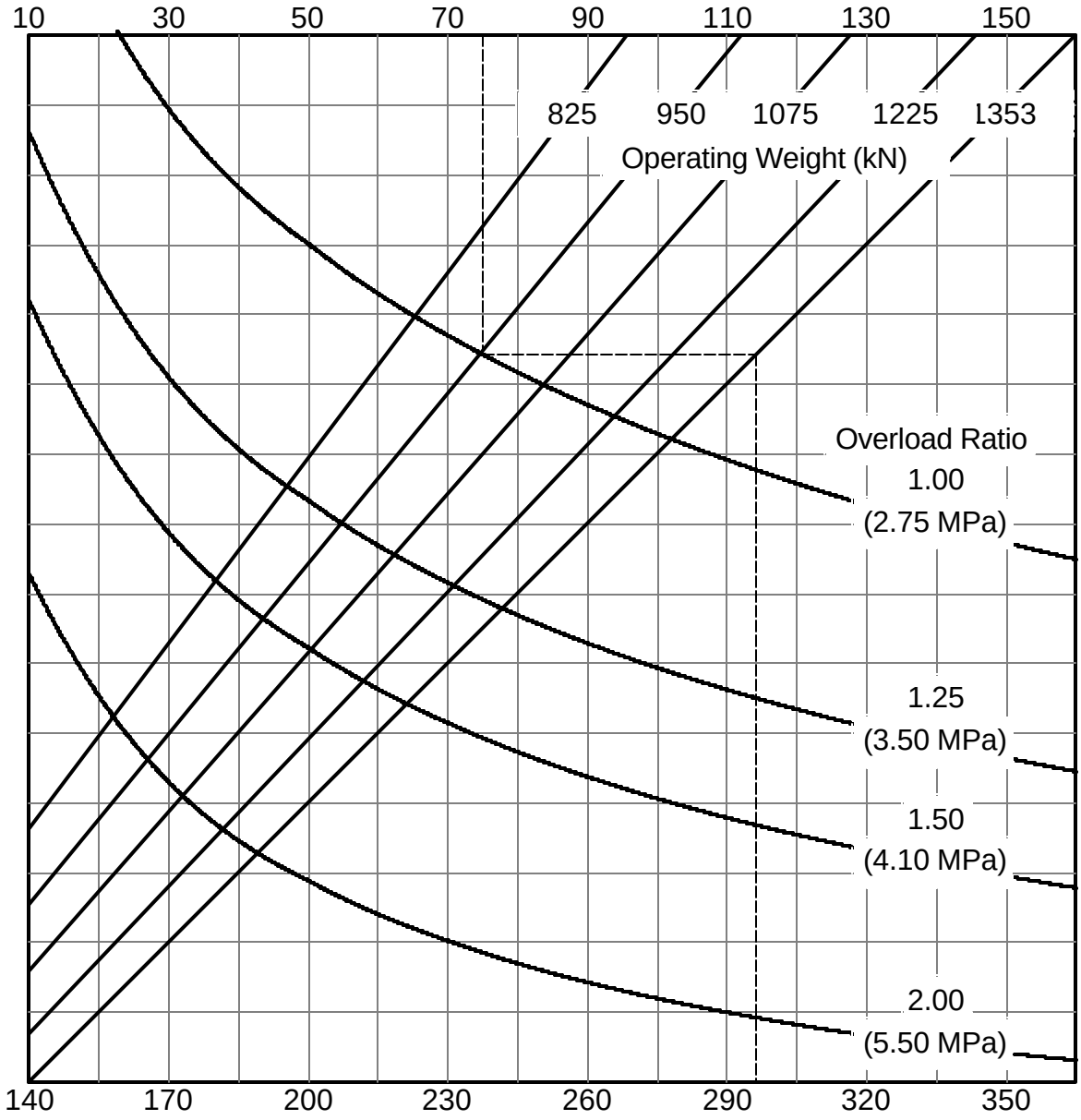
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A300-B, B2
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	
Tire Pressure (MPa) Pression des Pneus	1.16	

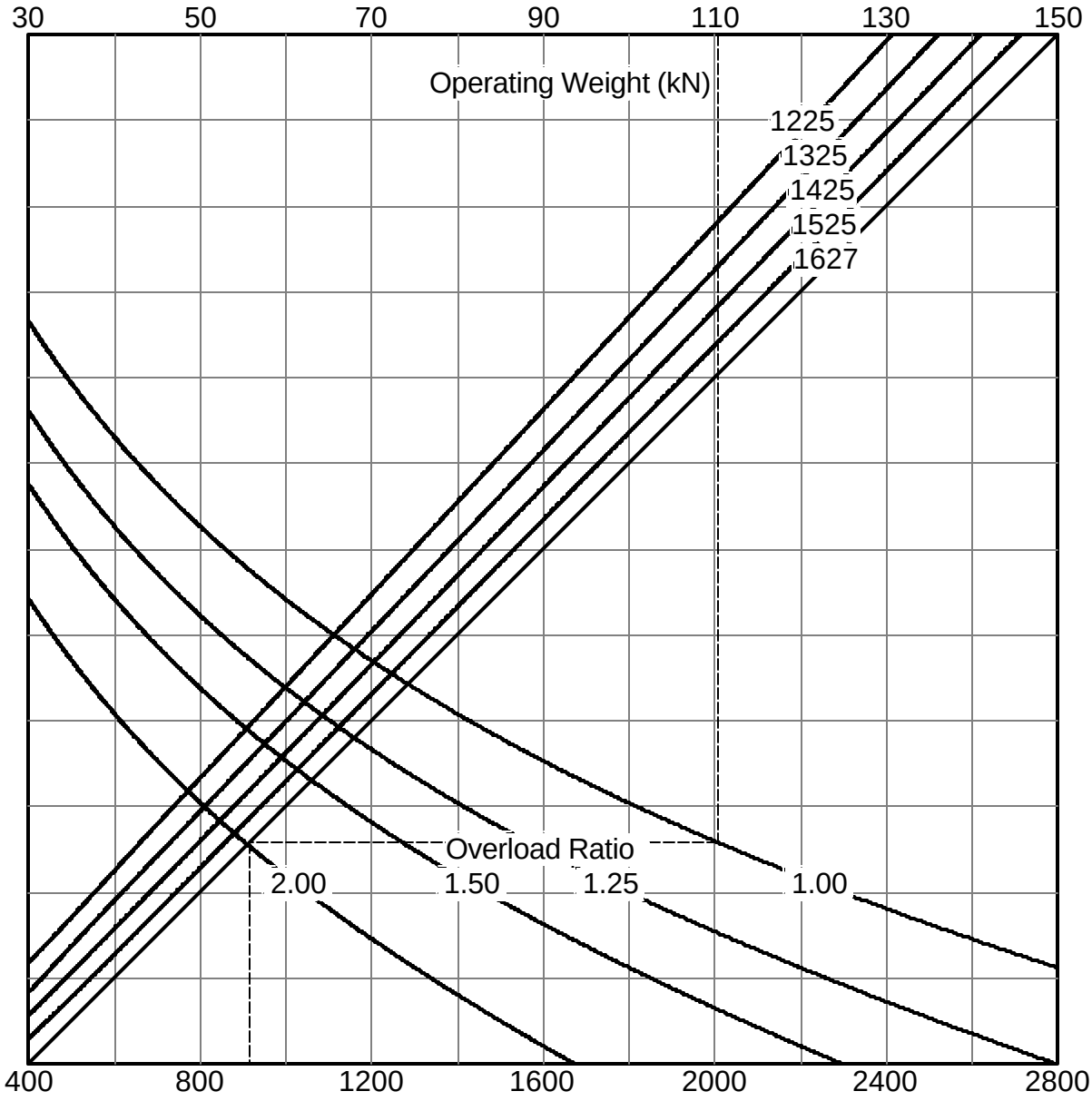
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A300-B4-200
% Load on Main Gear % Poids sur Atterrisseur Principal	47.0	1397 mm 902 mm
Tire Pressure (MPa) Pression des Pneus	1.28	

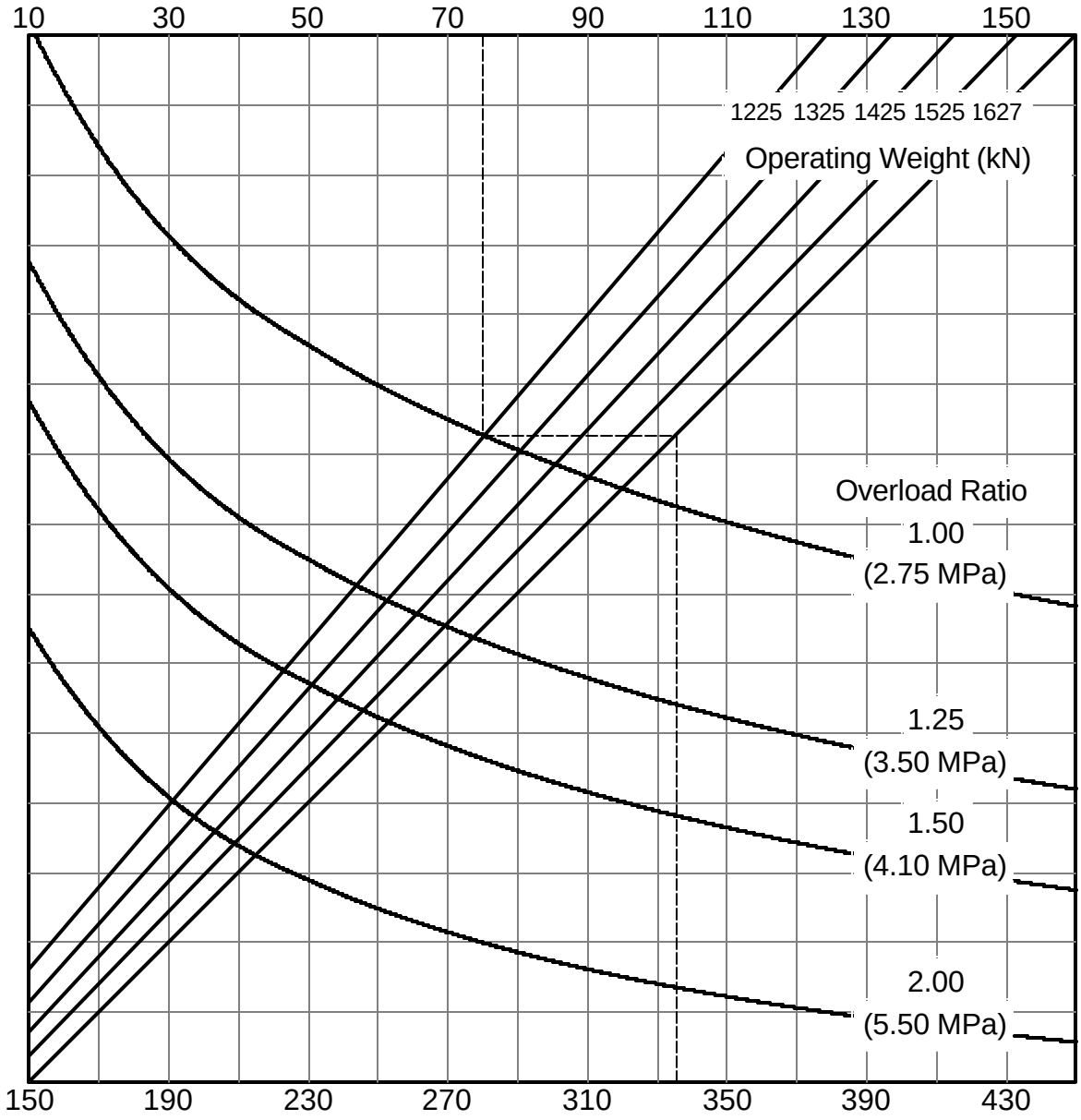
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A300-B4-200
% Load on Main Gear % Poids sur Atterrisseur Principal	47.0	1397 mm 902 mm
Tire Pressure (MPa) Pression des Pneus	1.28	

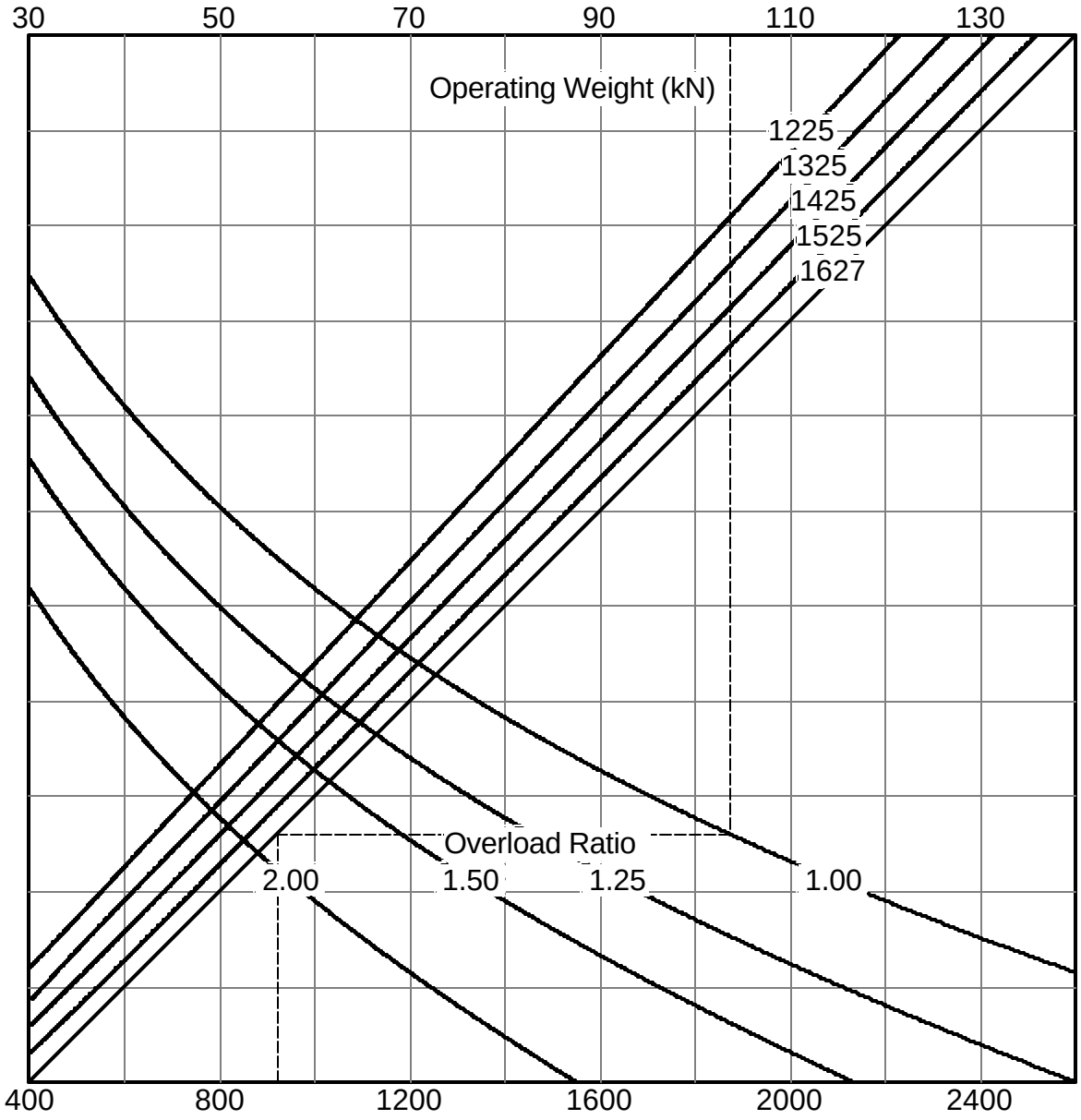
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



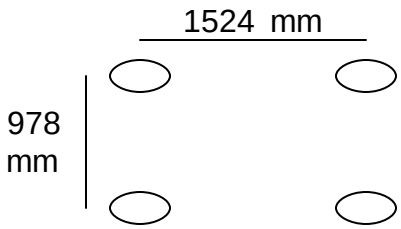
Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A300-B4-200 (Opt. Bogie)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.0	1524 mm 978 mm
Tire Pressure (MPa) Pression des Pneus	1.16	

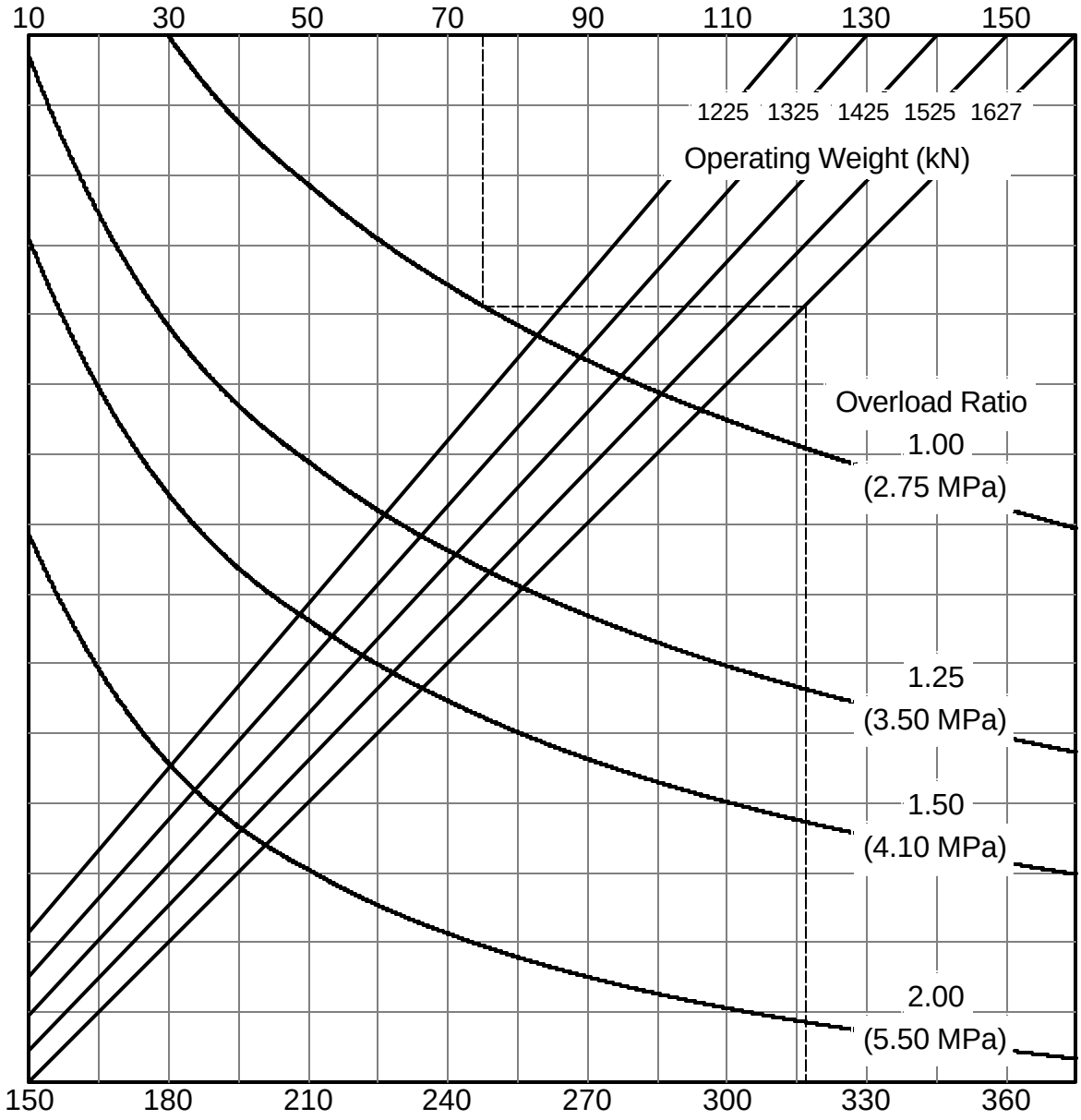
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A300-B4-200 (Opt. Bogie)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.0	
Tire Pressure (MPa) Pression des Pneus	1.16	

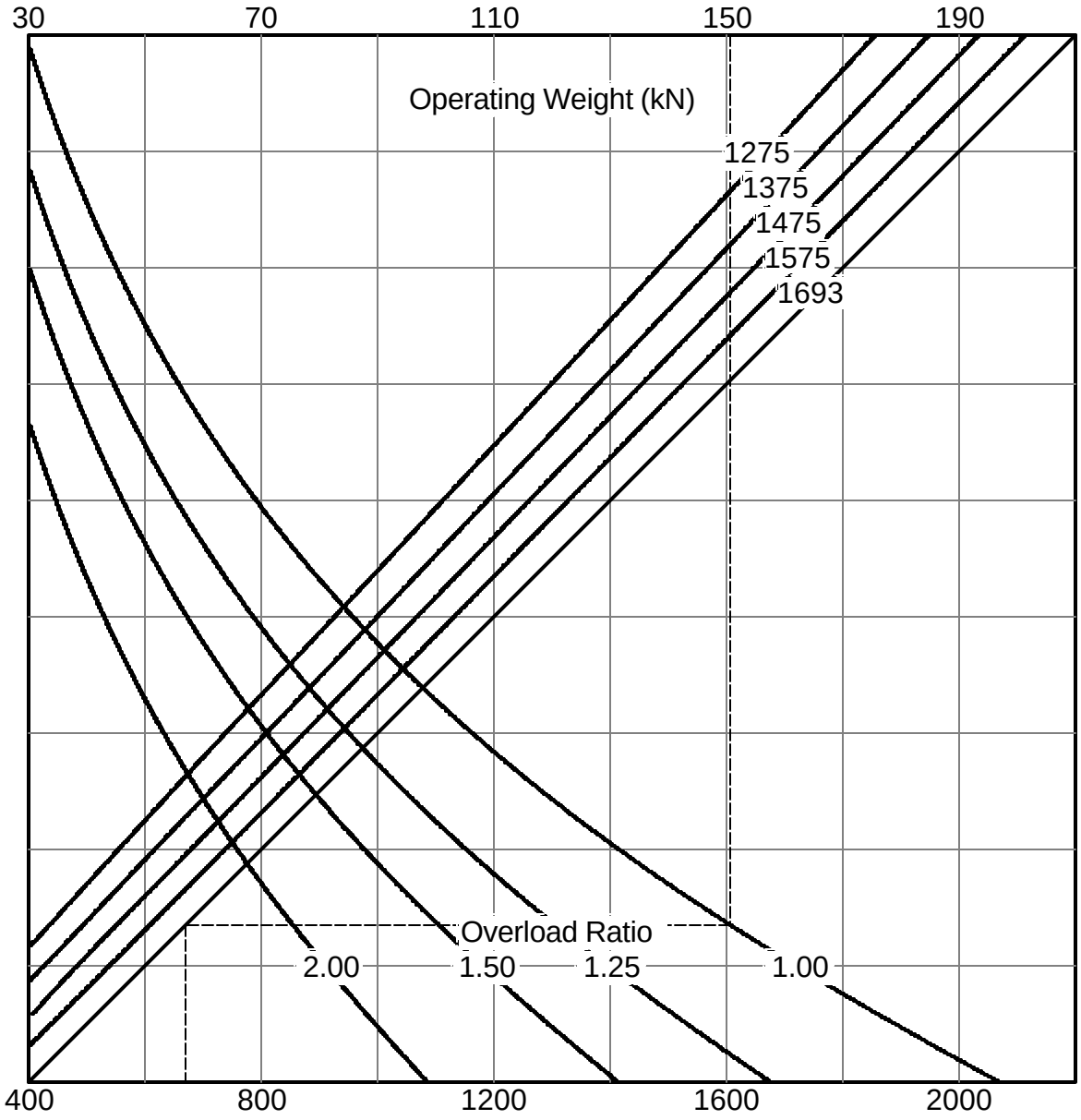
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A300-B4-600R
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	1397 mm 902 mm
Tire Pressure (MPa) Pression des Pneus	1.35	

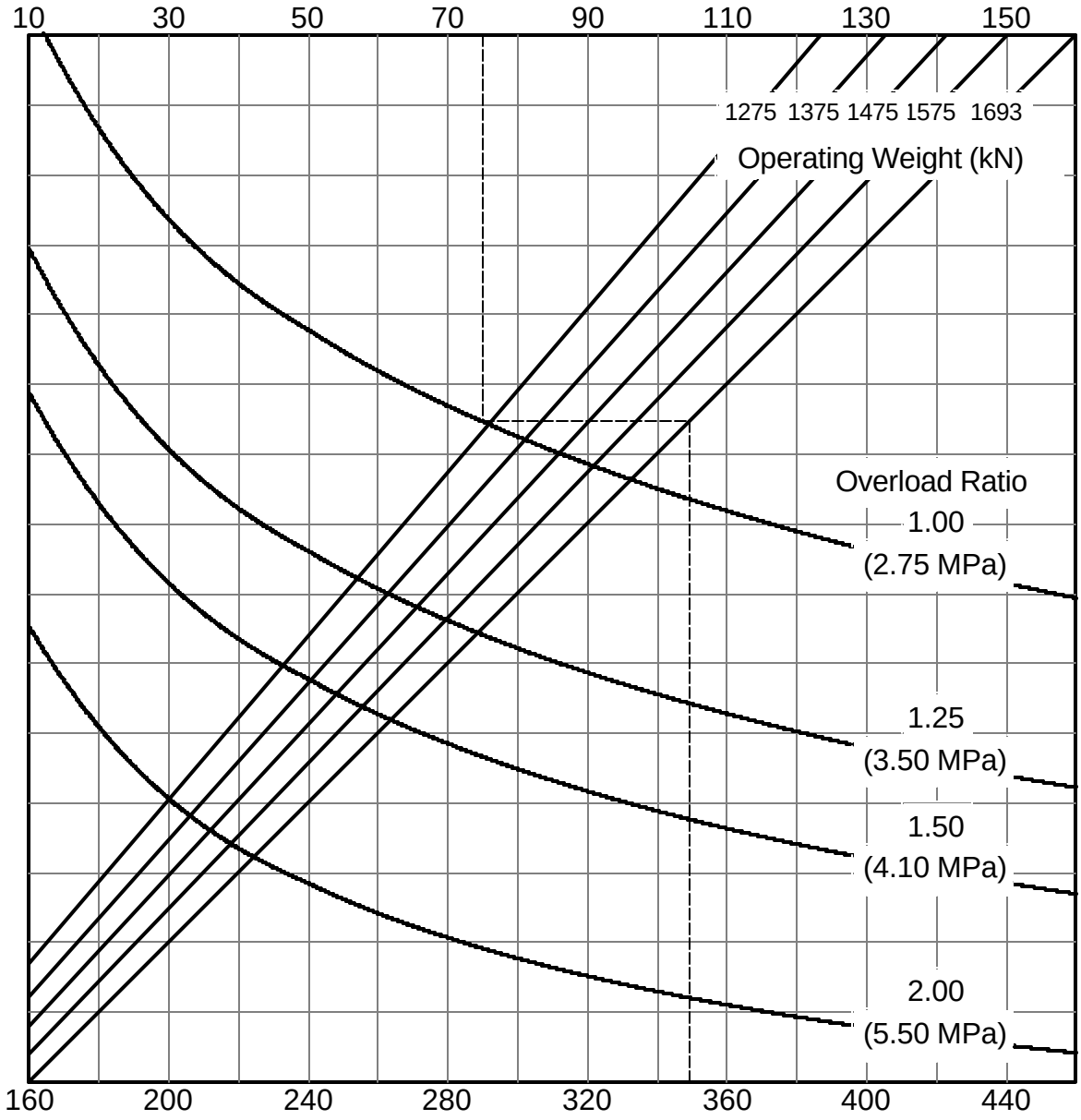
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A300-B4-600R
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	1397 mm 902 mm
Tire Pressure (MPa) Pression des Pneus	1.35	

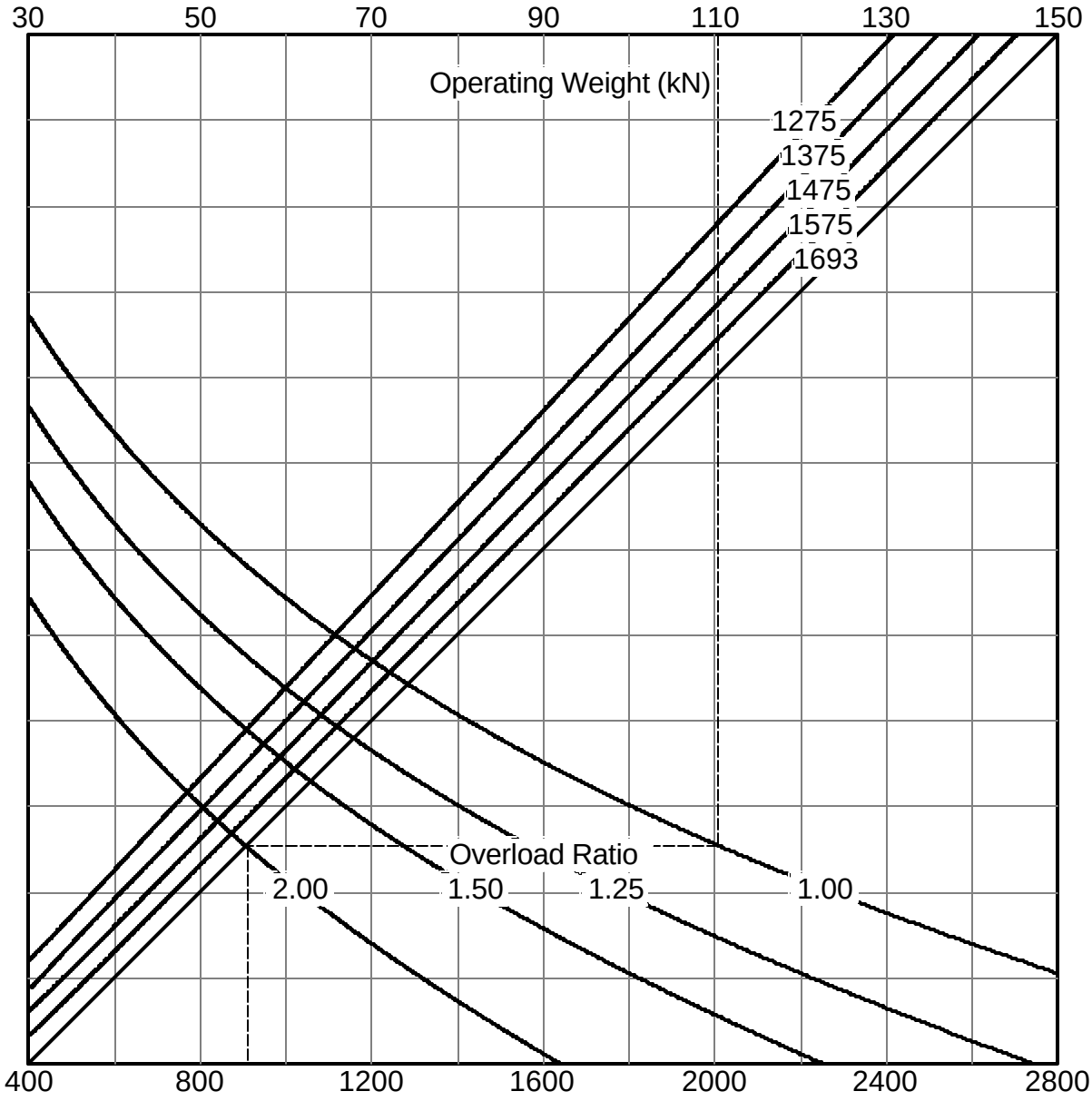
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



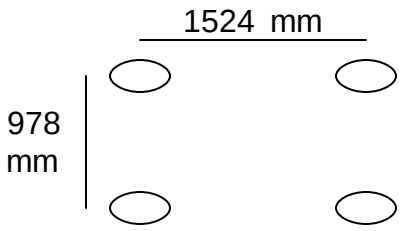
Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A300-B4-600R (Opt. Bogie)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	1524 mm 978 mm
Tire Pressure (MPa) Pression des Pneus	1.21	

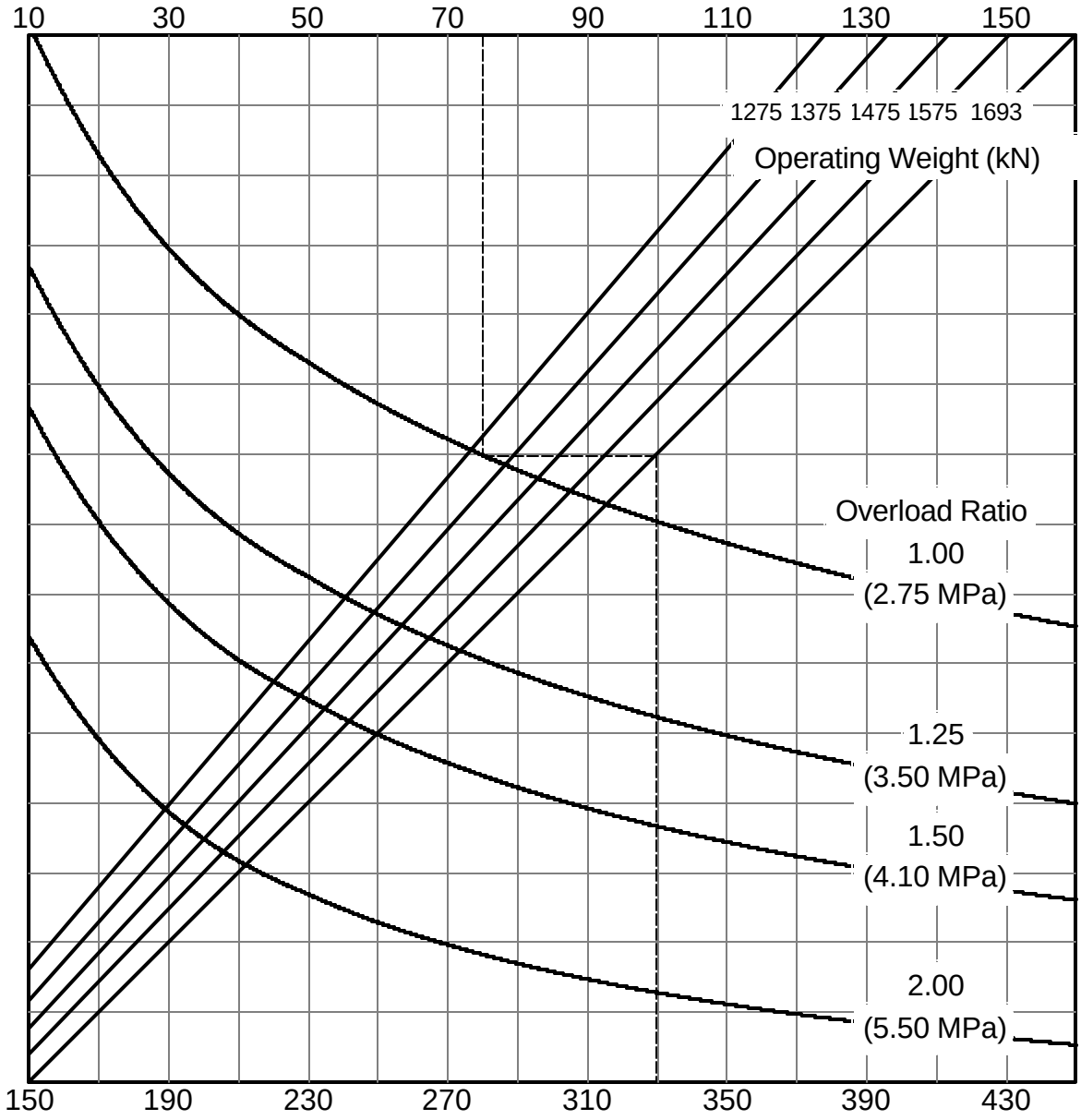
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A300-B4-600R (Opt. Bogie)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	
Tire Pressure (MPa) Pression des Pneus	1.21	

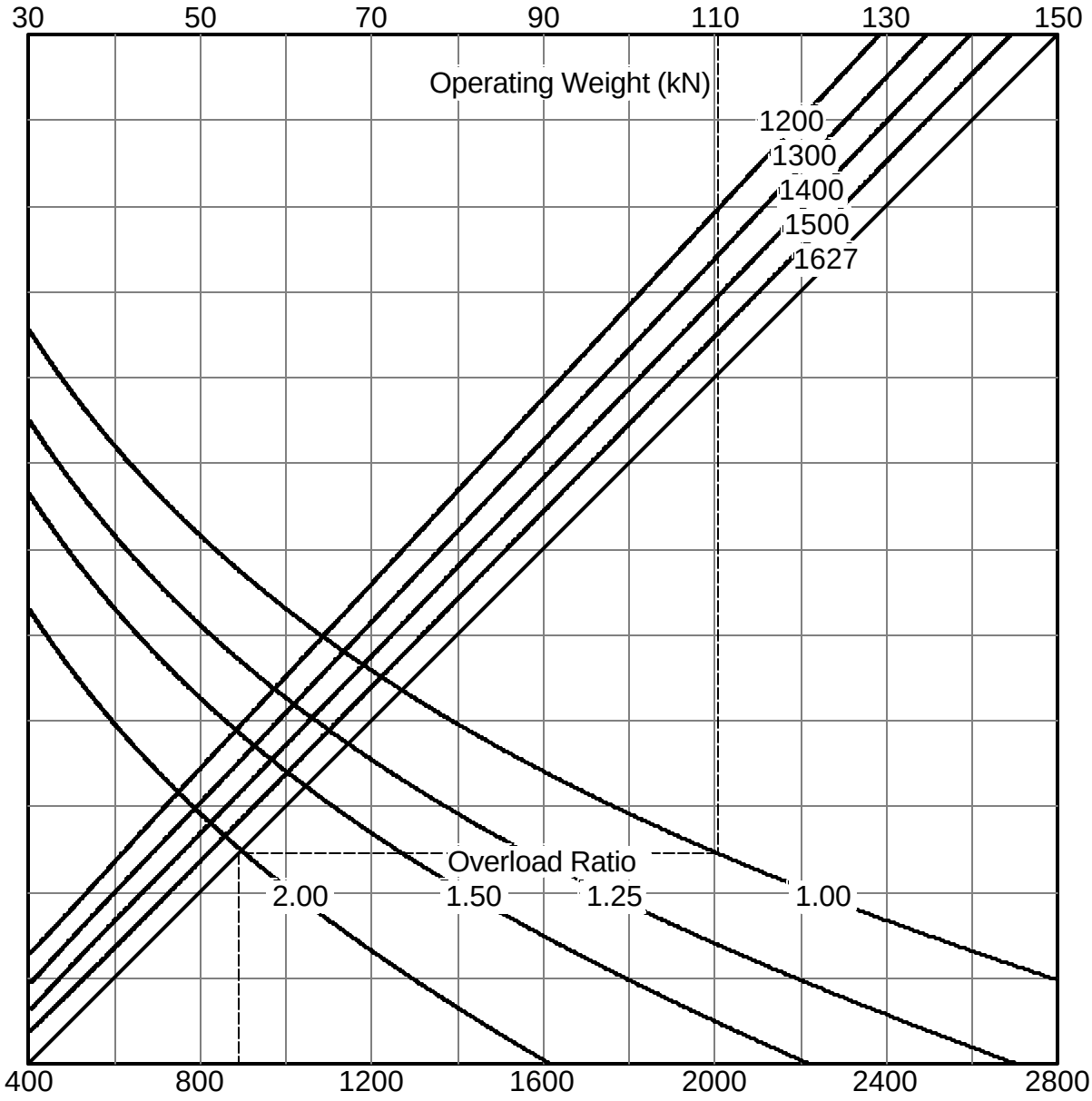
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

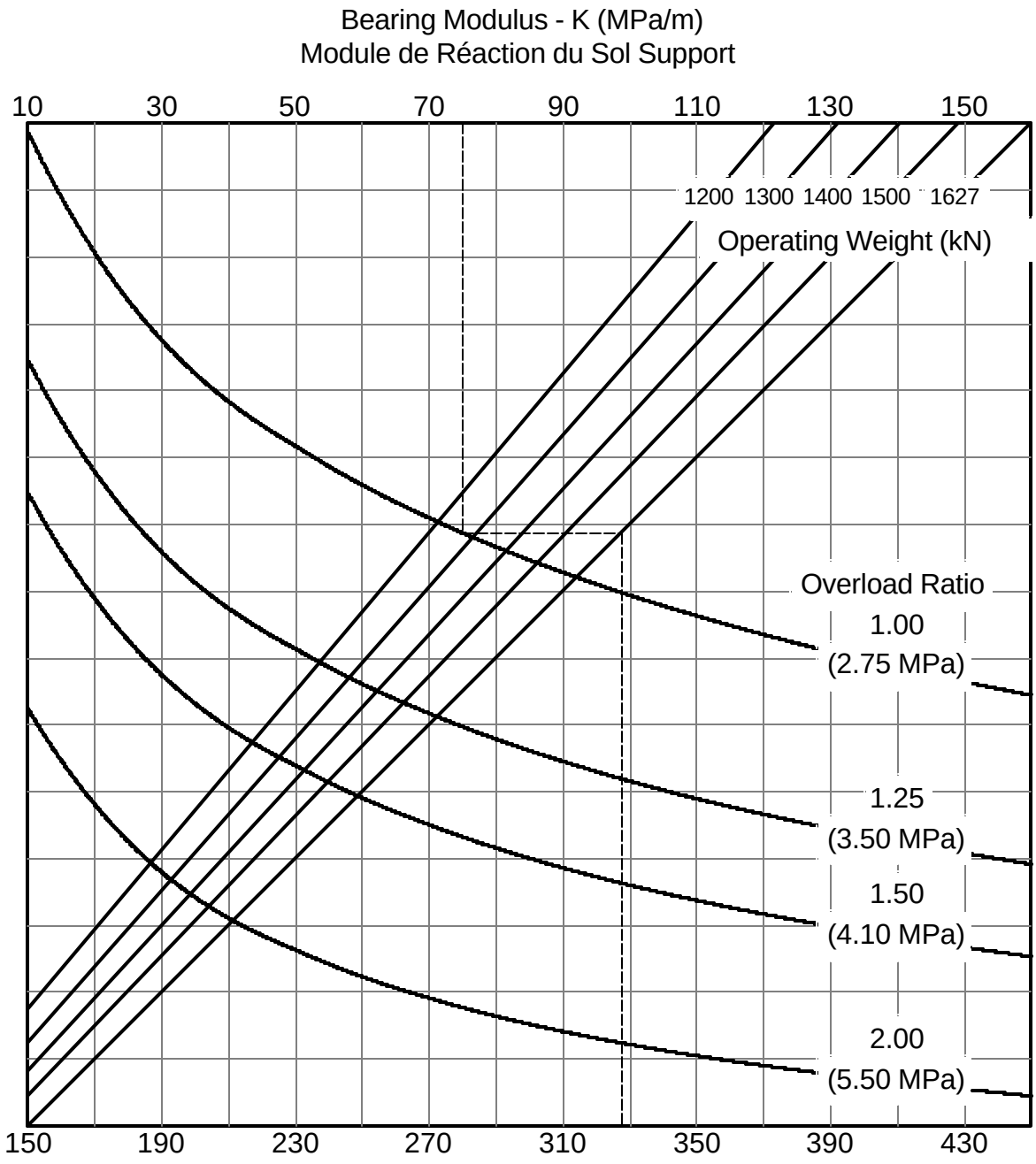
Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A300-C4
% Load on Main Gear % Poids sur Atterrisseur Principal	47.3	1460 mm 950 mm
Tire Pressure (MPa) Pression des Pneus	1.24	

Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



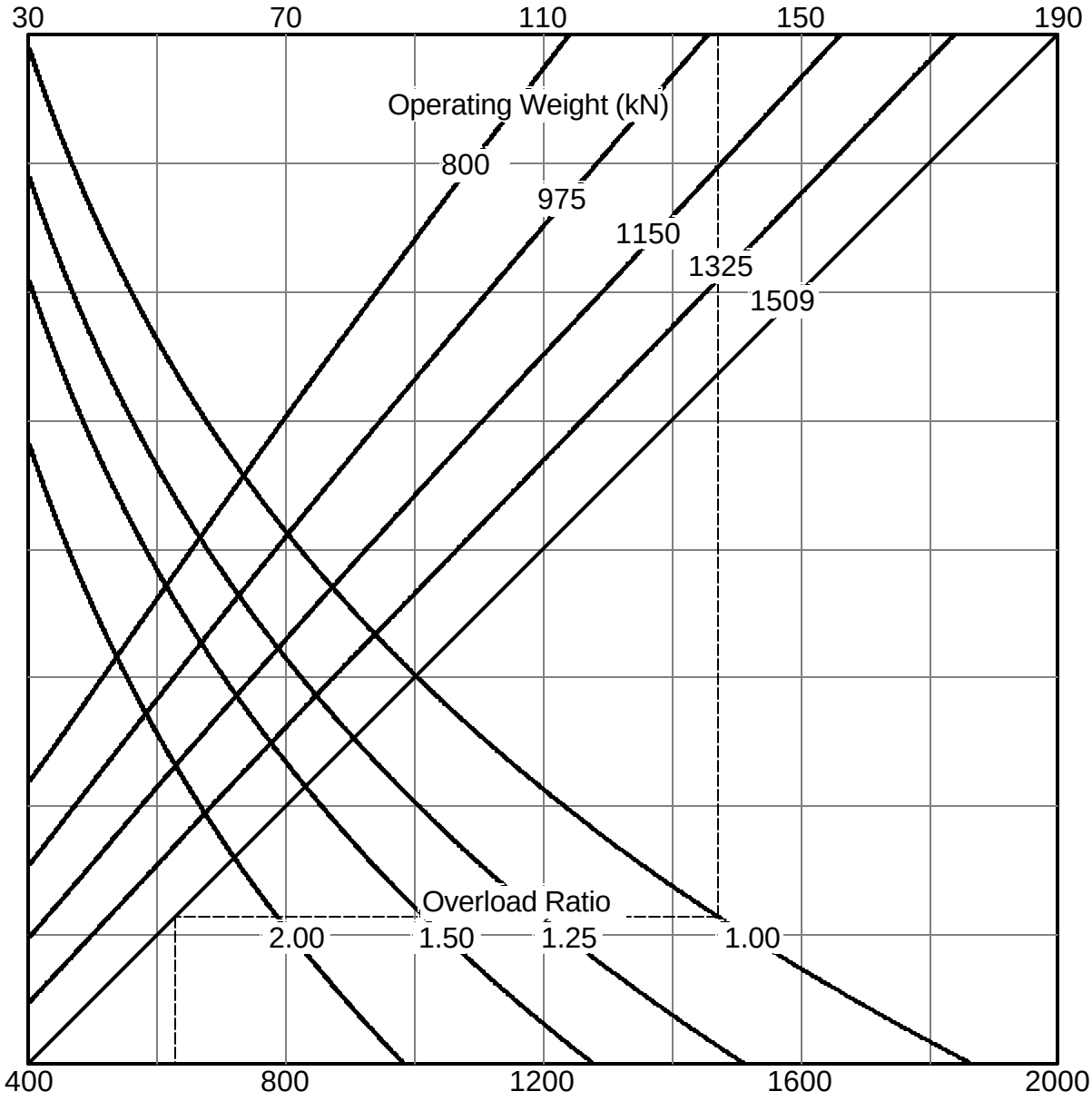
Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A300-C4
% Load on Main Gear % Poids sur Atterrisseur Principal	47.3	1460 mm 950 mm
Tire Pressure (MPa) Pression des Pneus	1.24	



Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A310-200, 200C
% Load on Main Gear % Poids sur Atterrisseur Principal	46.6	1397 mm 927 mm
Tire Pressure (MPa) Pression des Pneus	1.46	

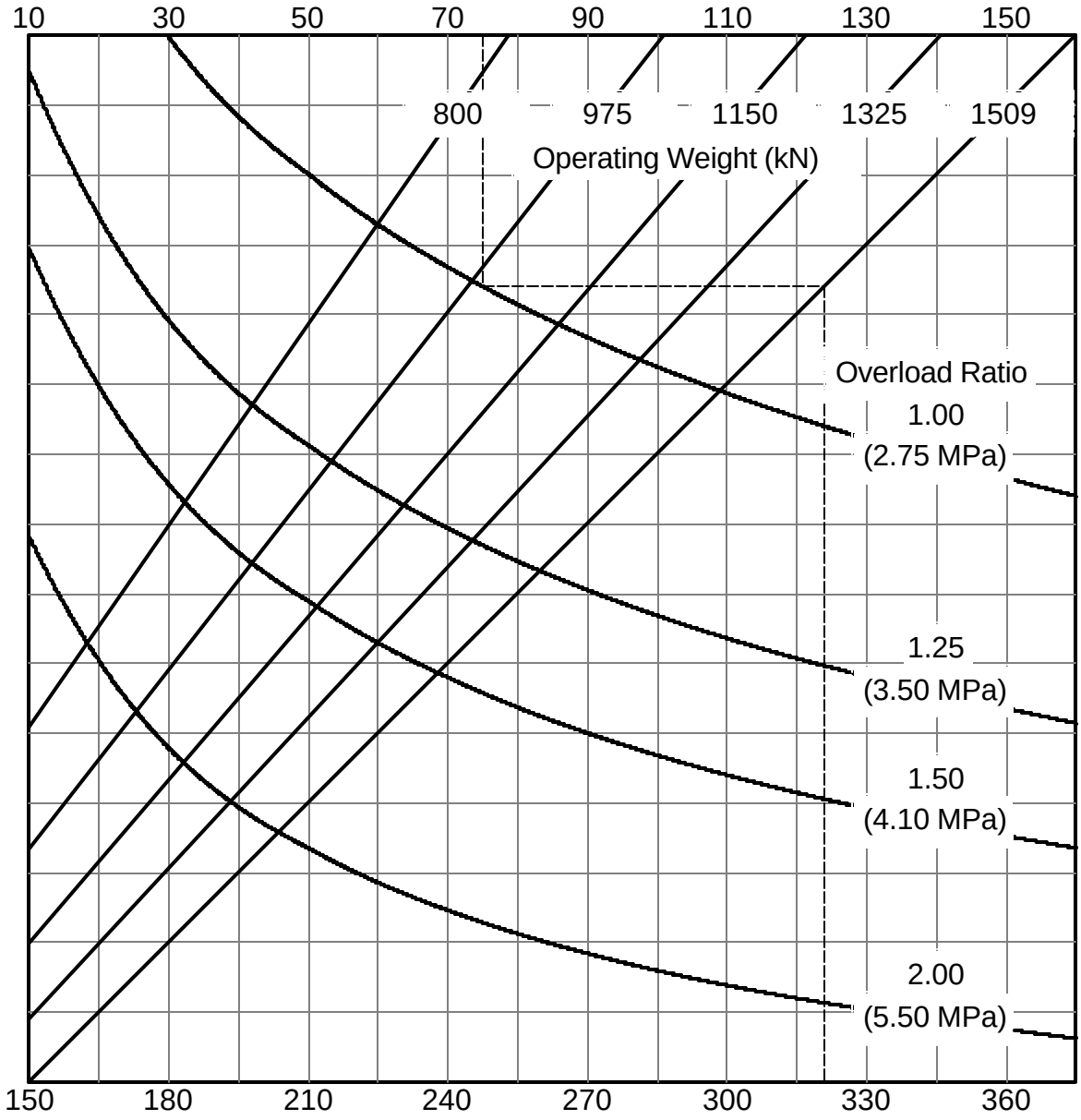
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



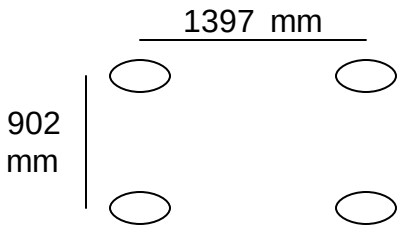
Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A310-200, 200C
% Load on Main Gear % Poids sur Atterrisseur Principal	46.6	1397 mm 927 mm
Tire Pressure (MPa) Pression des Pneus	1.46	

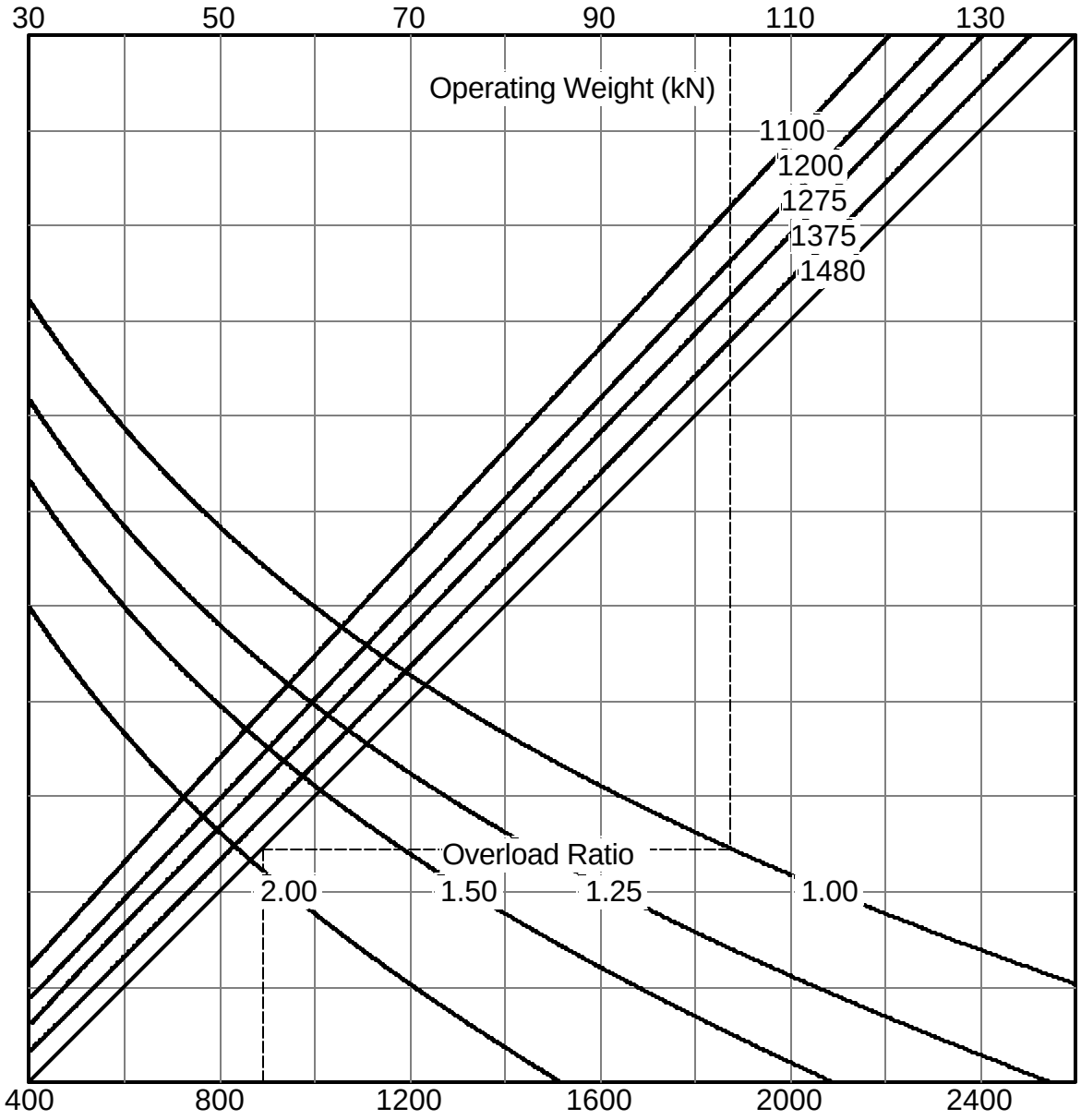
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



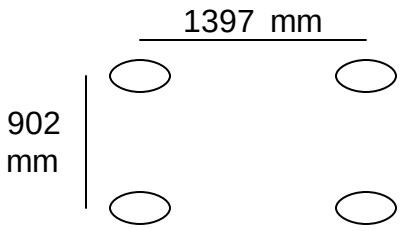
Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A310-300 (Configuration 1)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.2	
Tire Pressure (MPa) Pression des Pneus	1.19	

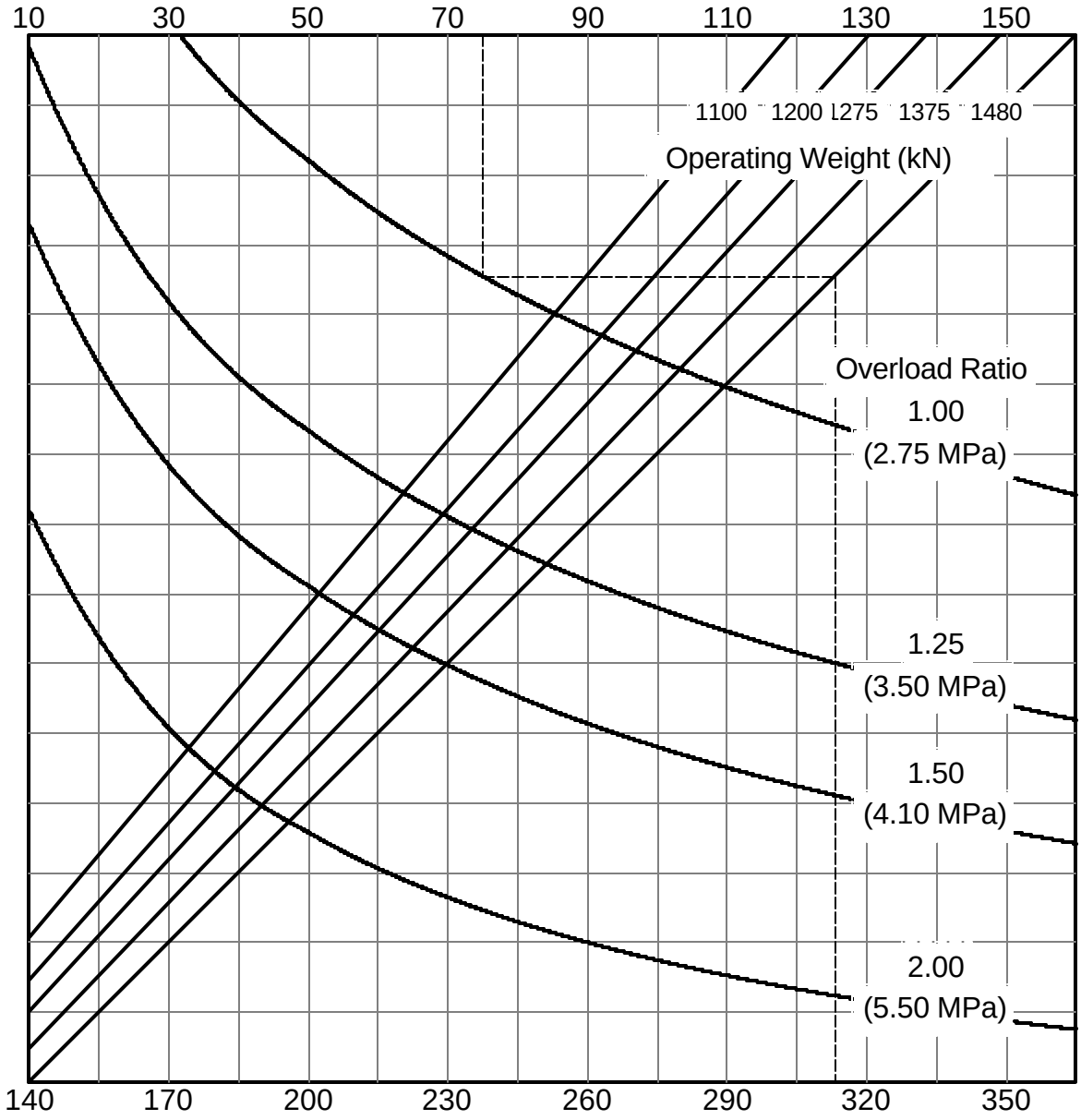
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



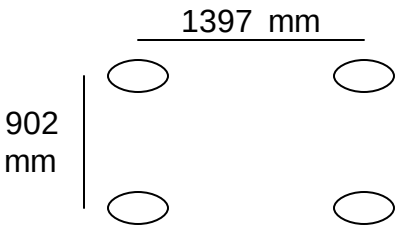
Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A310-300 (Configuration 1)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.2	
Tire Pressure (MPa) Pression des Pneus	1.19	

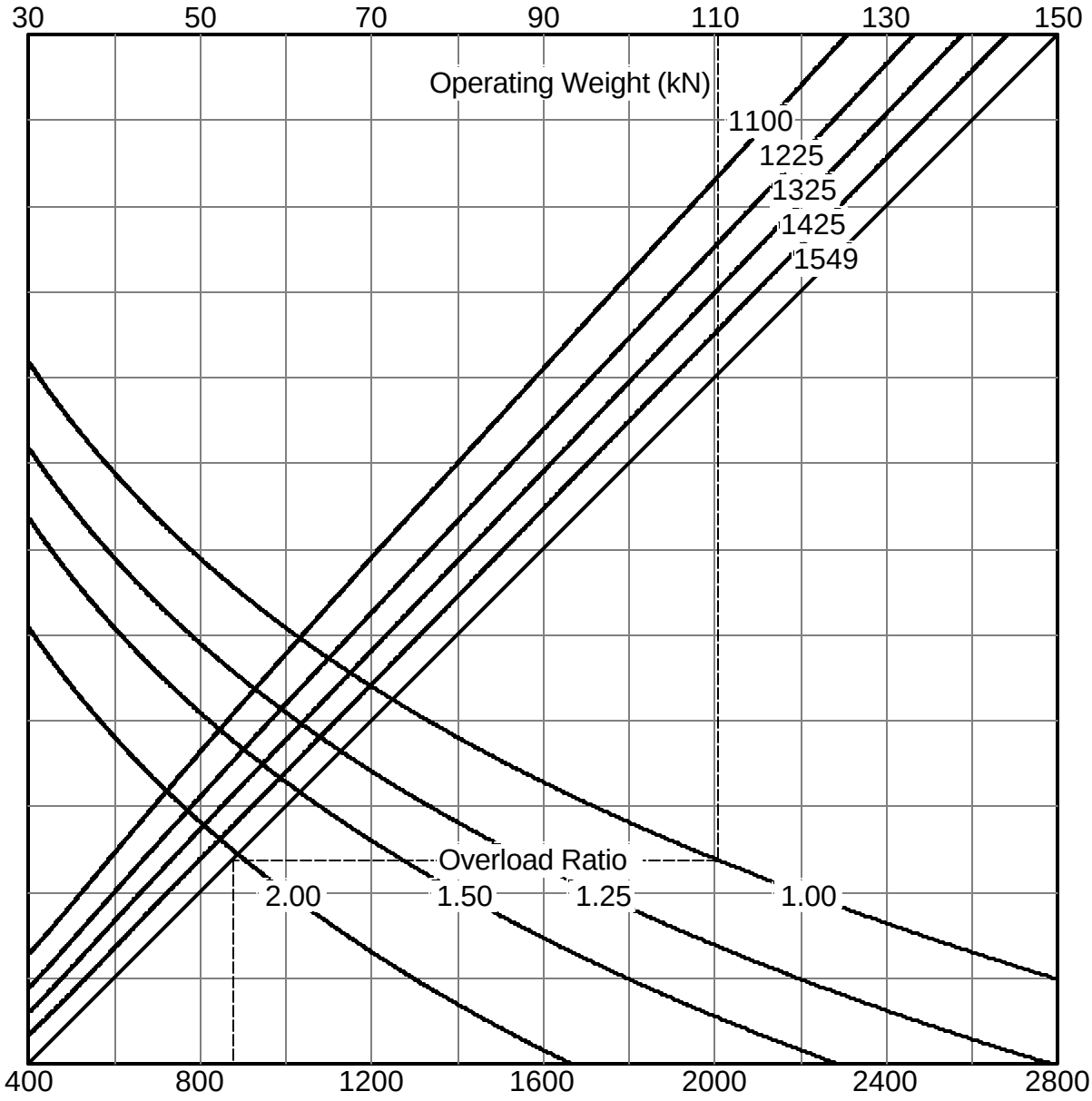
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



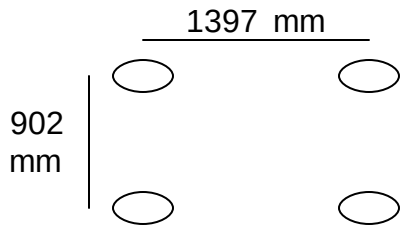
Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A310-300 (Configuration 2)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.3	
Tire Pressure (MPa) Pression des Pneus	1.48	

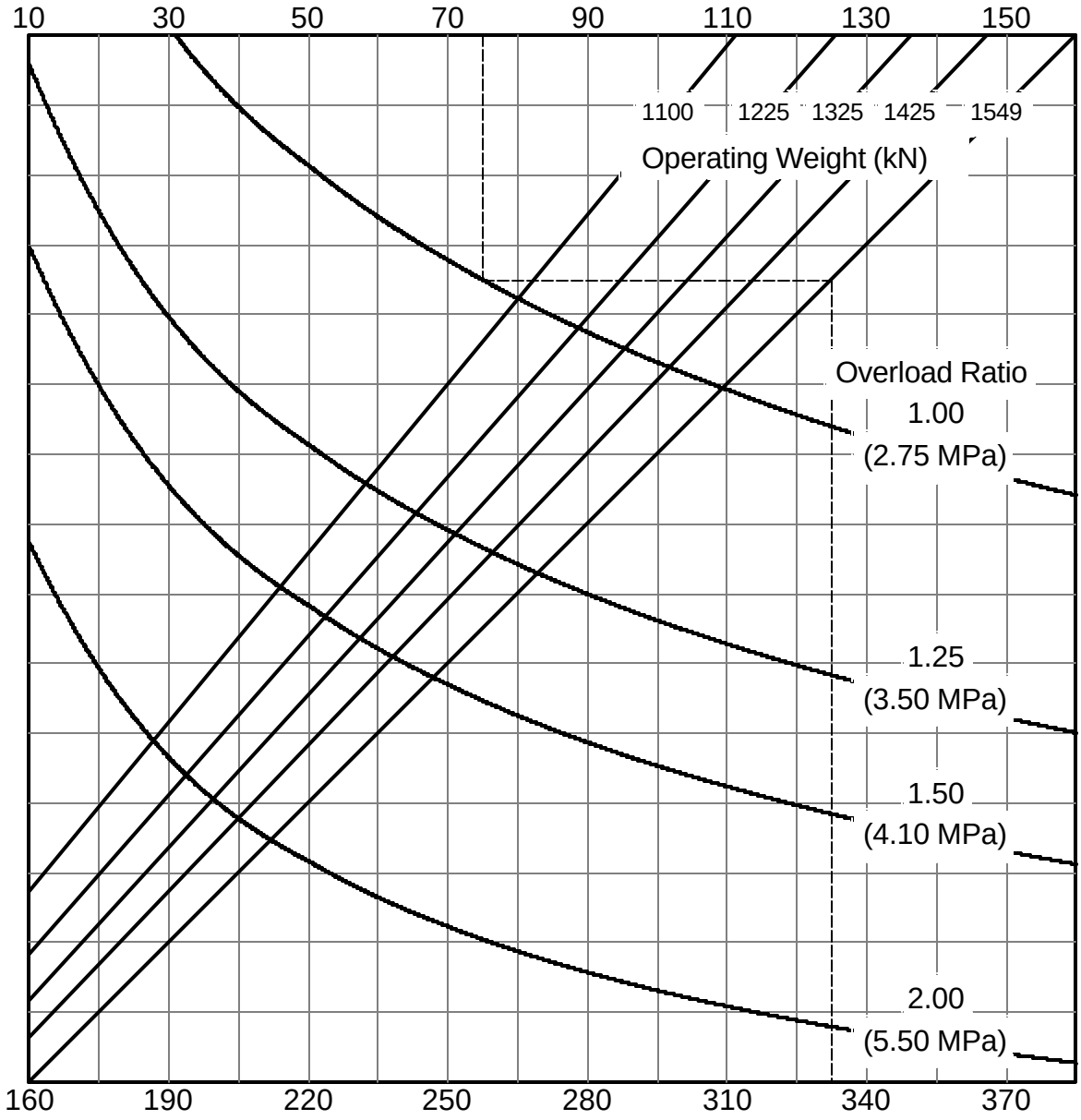
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



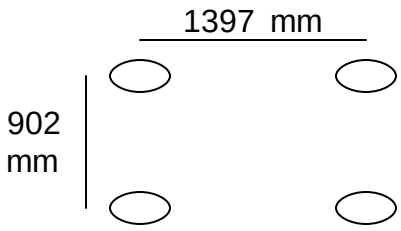
Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A310-300 (Configuration 2)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.3	
Tire Pressure (MPa) Pression des Pneus	1.48	

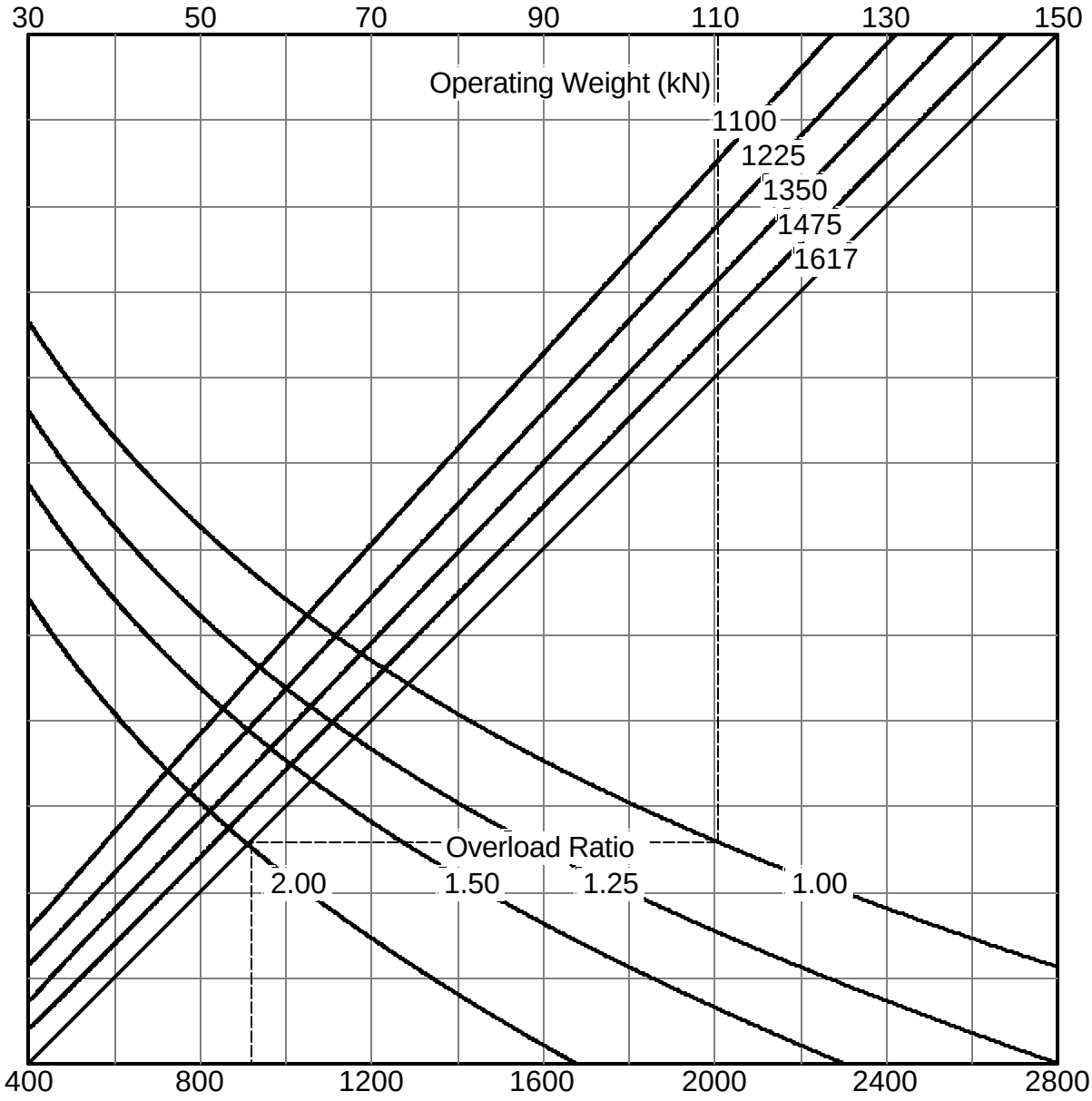
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



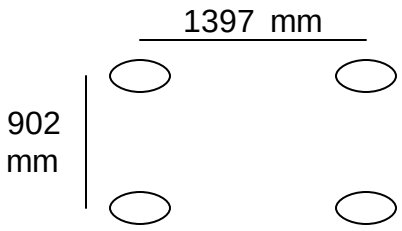
Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A310-300 (Configuration 3)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.3	
Tire Pressure (MPa) Pression des Pneus	1.29	

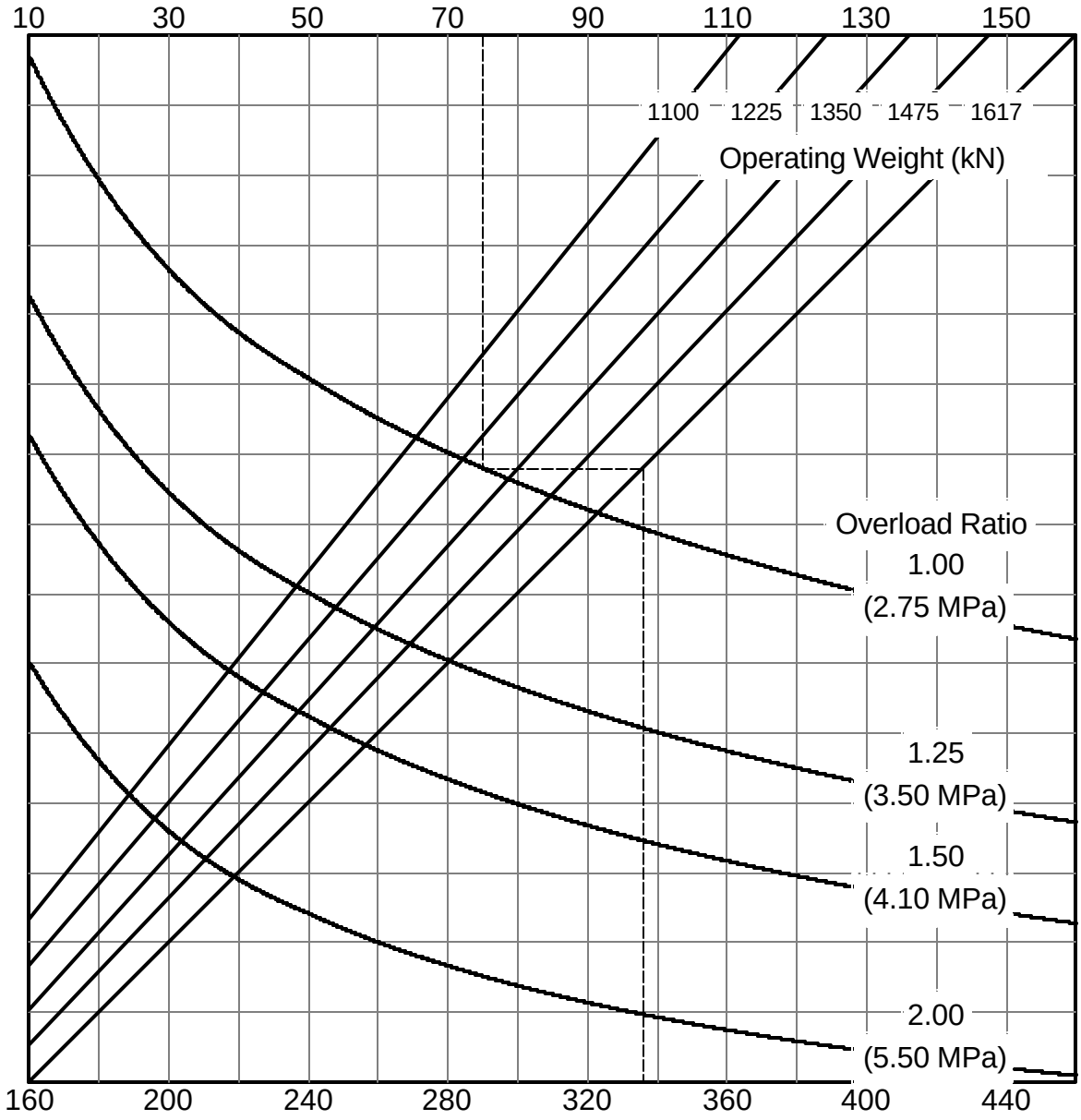
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A310-300 (Configuration 3)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.3	
Tire Pressure (MPa) Pression des Pneus	1.29	

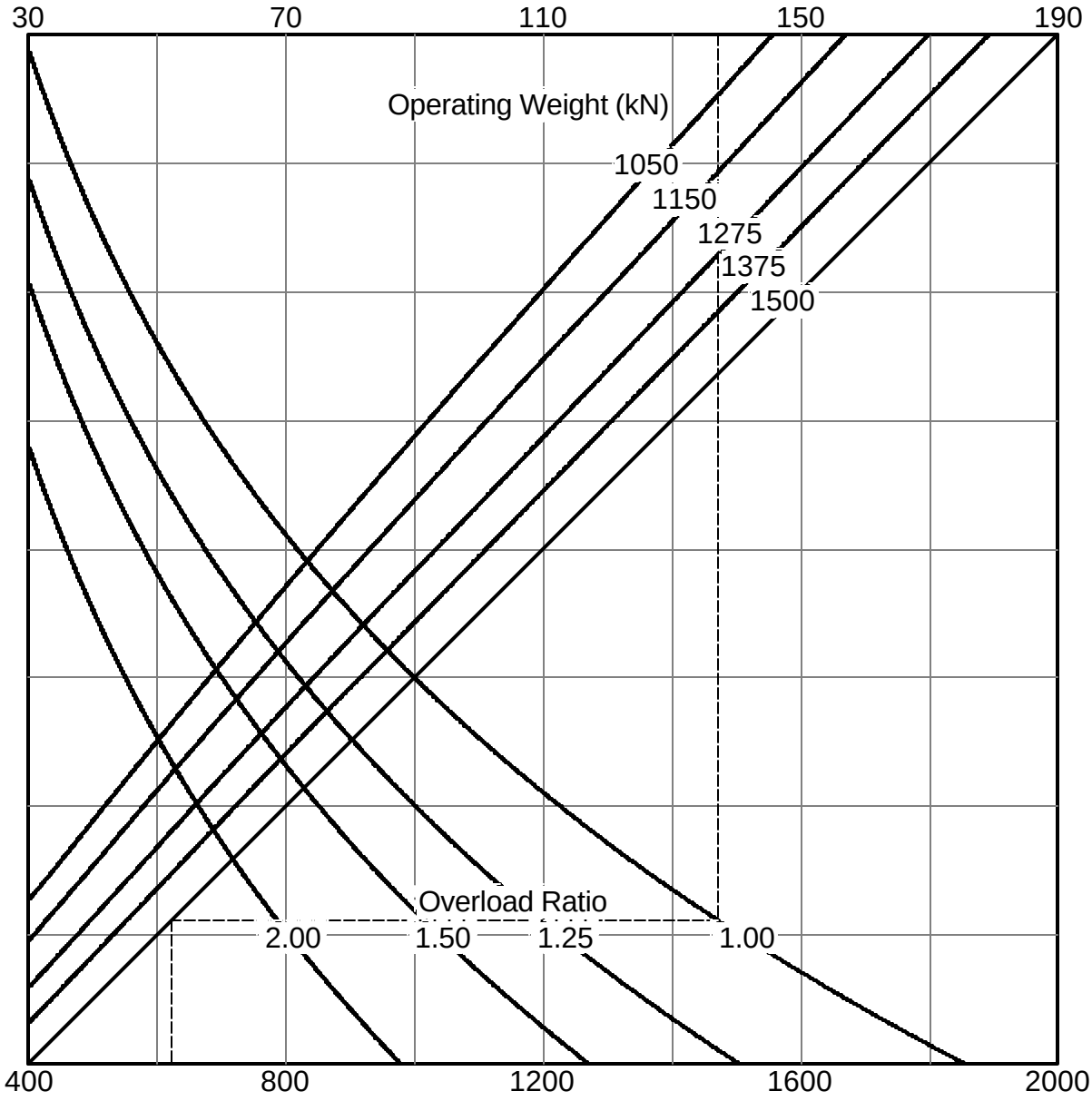
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



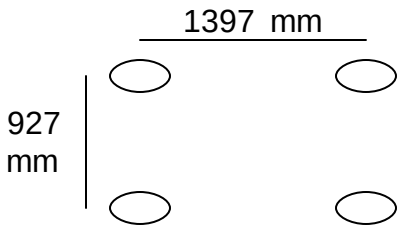
Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A310-322 SR, BB
% Load on Main Gear % Poids sur Atterrisseur Principal	46.6	1397 mm 927 mm
Tire Pressure (MPa) Pression des Pneus	1.45	

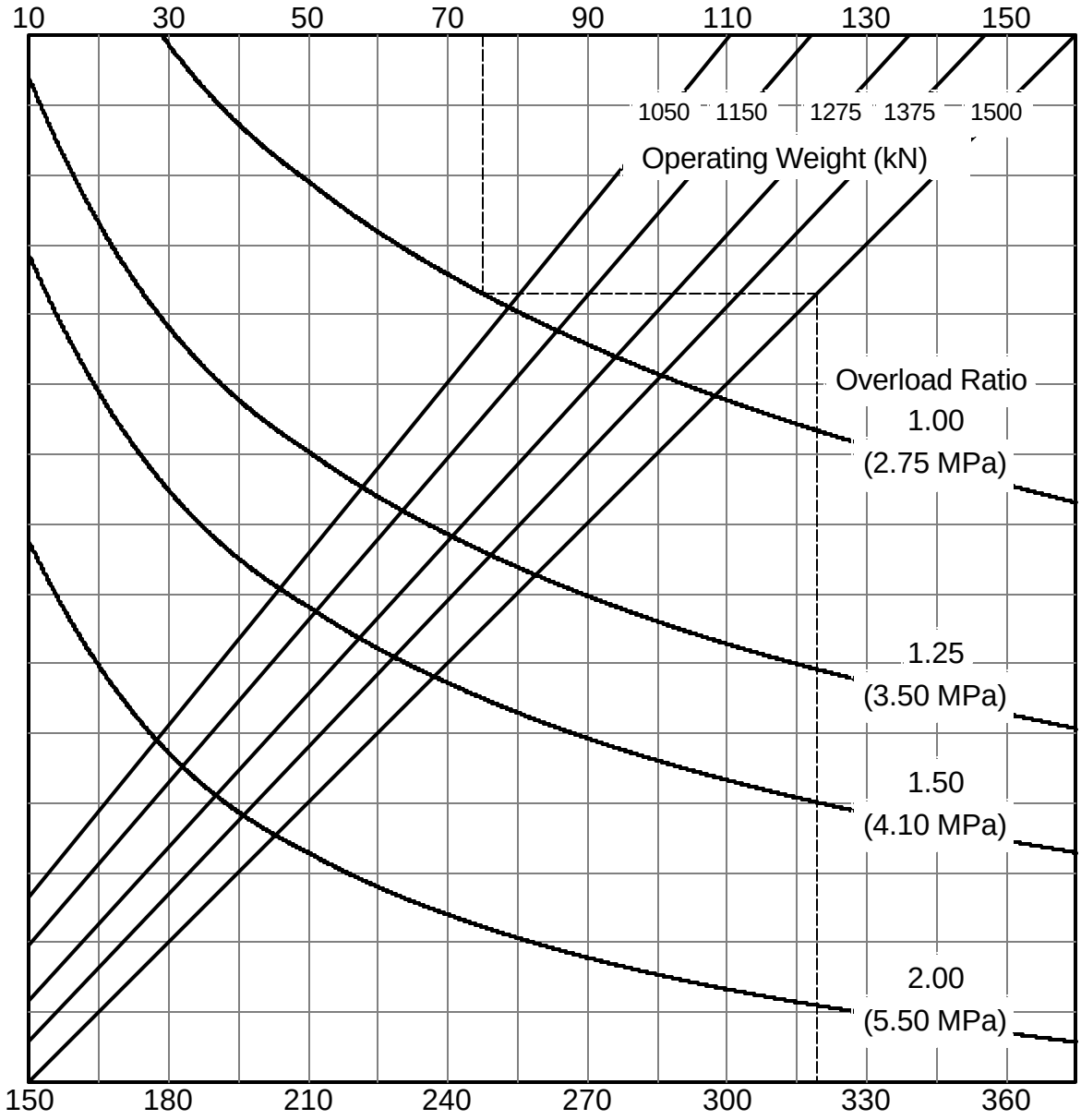
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A310-322 SR, BB
% Load on Main Gear % Poids sur Atterrisseur Principal	46.6	
Tire Pressure (MPa) Pression des Pneus	1.45	

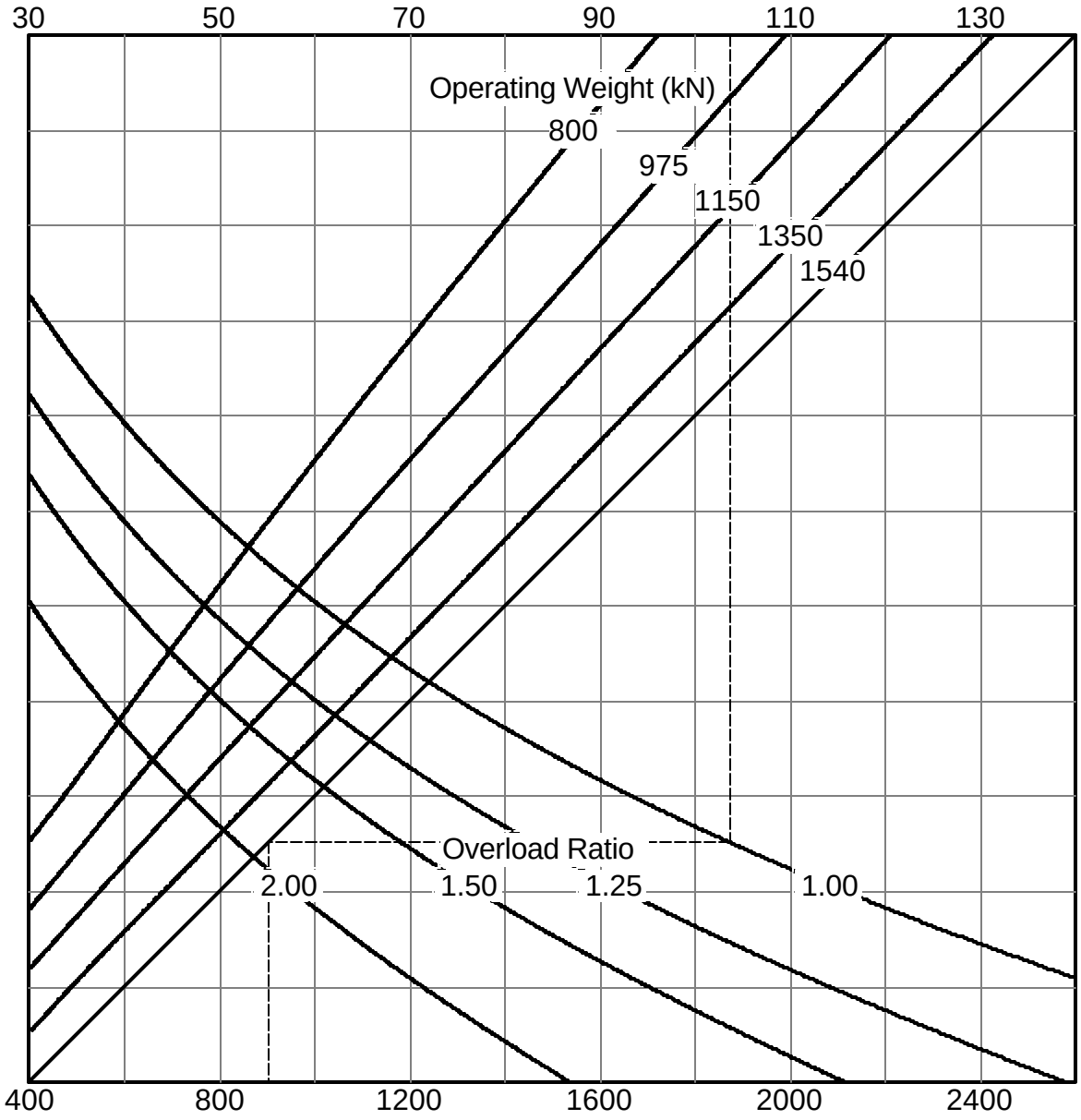
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A310-324
% Load on Main Gear % Poids sur Atterrisseur Principal	46.6	1397 mm 927 mm
Tire Pressure (MPa) Pression des Pneus	1.24	

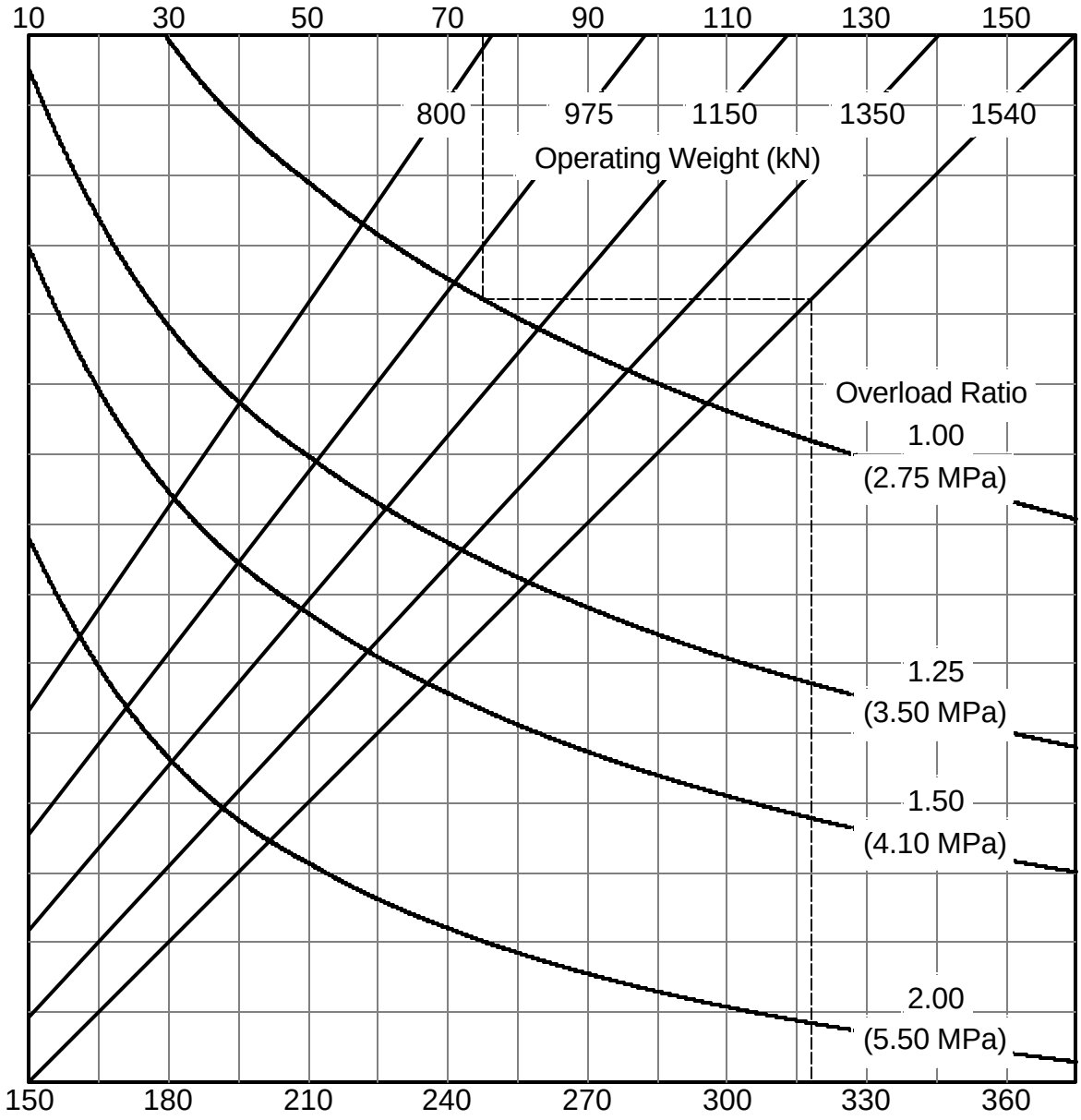
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A310-324
% Load on Main Gear % Poids sur Atterrisseur Principal	46.6	1397 mm 927 mm
Tire Pressure (MPa) Pression des Pneus	1.24	

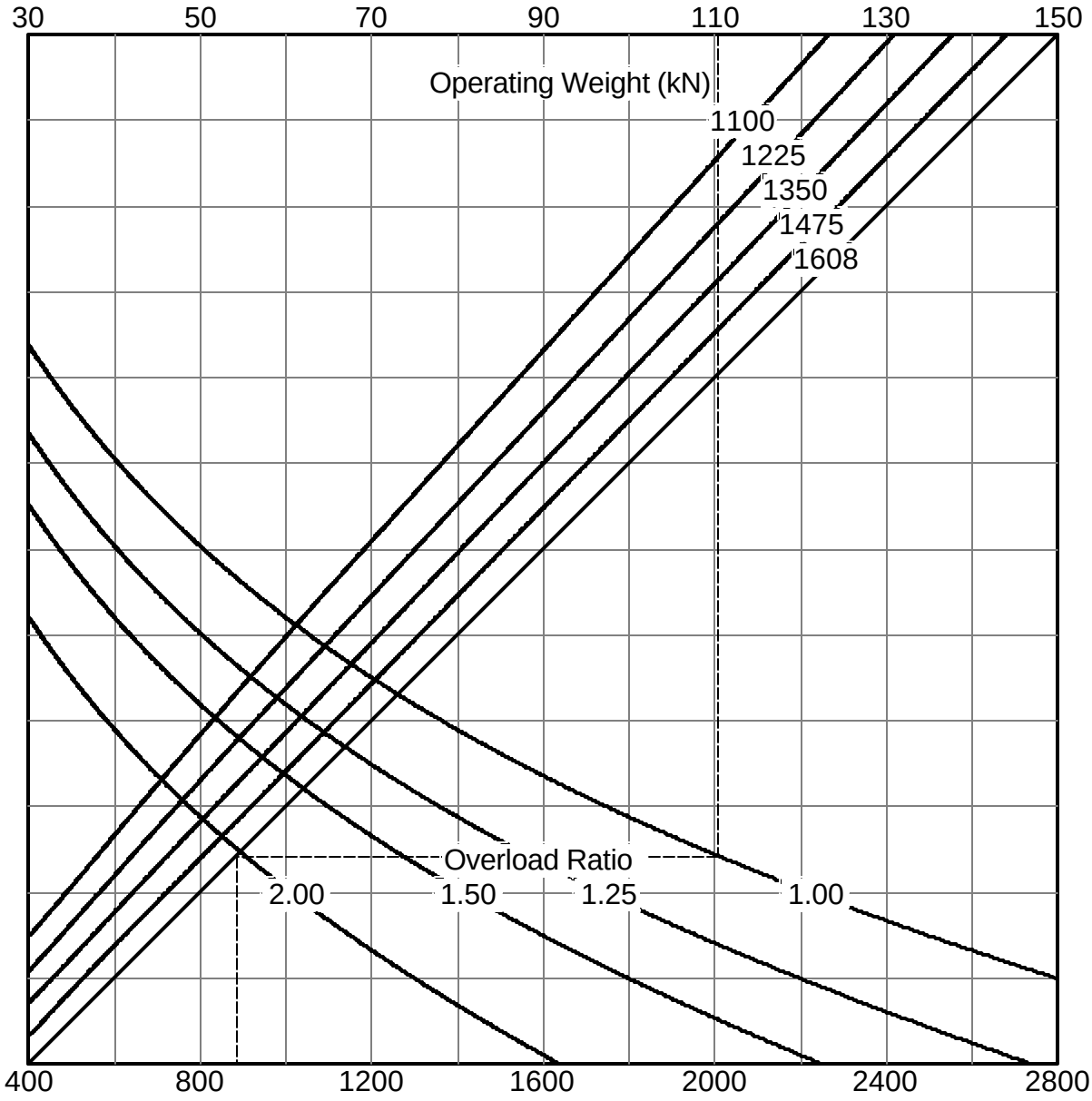
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



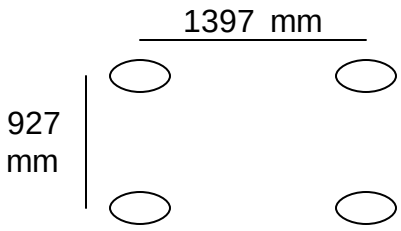
Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A310-325
% Load on Main Gear % Poids sur Atterrisseur Principal	46.6	1397 mm 927 mm
Tire Pressure (MPa) Pression des Pneus	1.38	

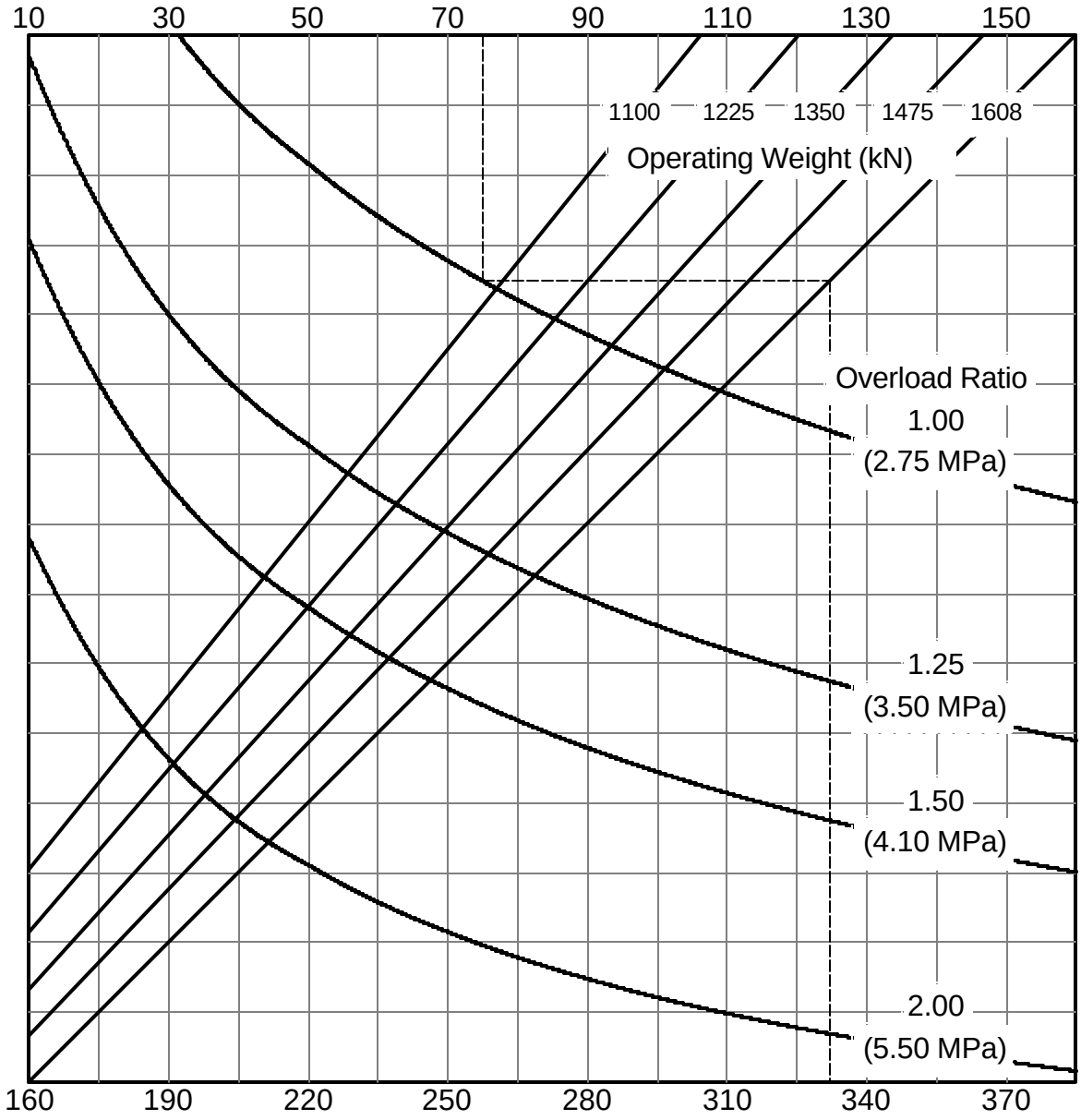
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A310-325
% Load on Main Gear % Poids sur Atterrisseur Principal	46.6	
Tire Pressure (MPa) Pression des Pneus	1.38	

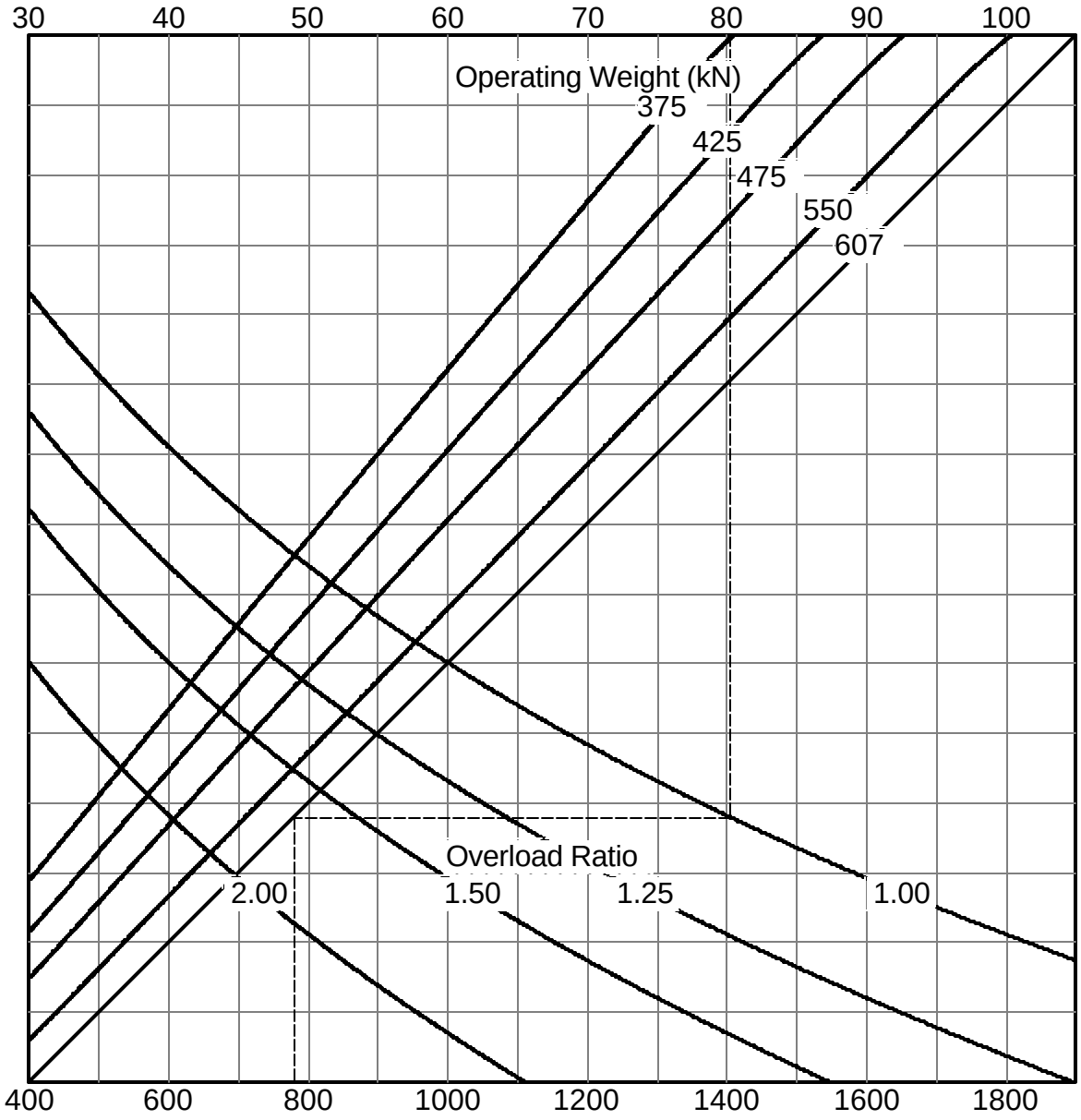
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A318-100
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	927 mm
Tire Pressure (MPa) Pression des Pneus	0.89	

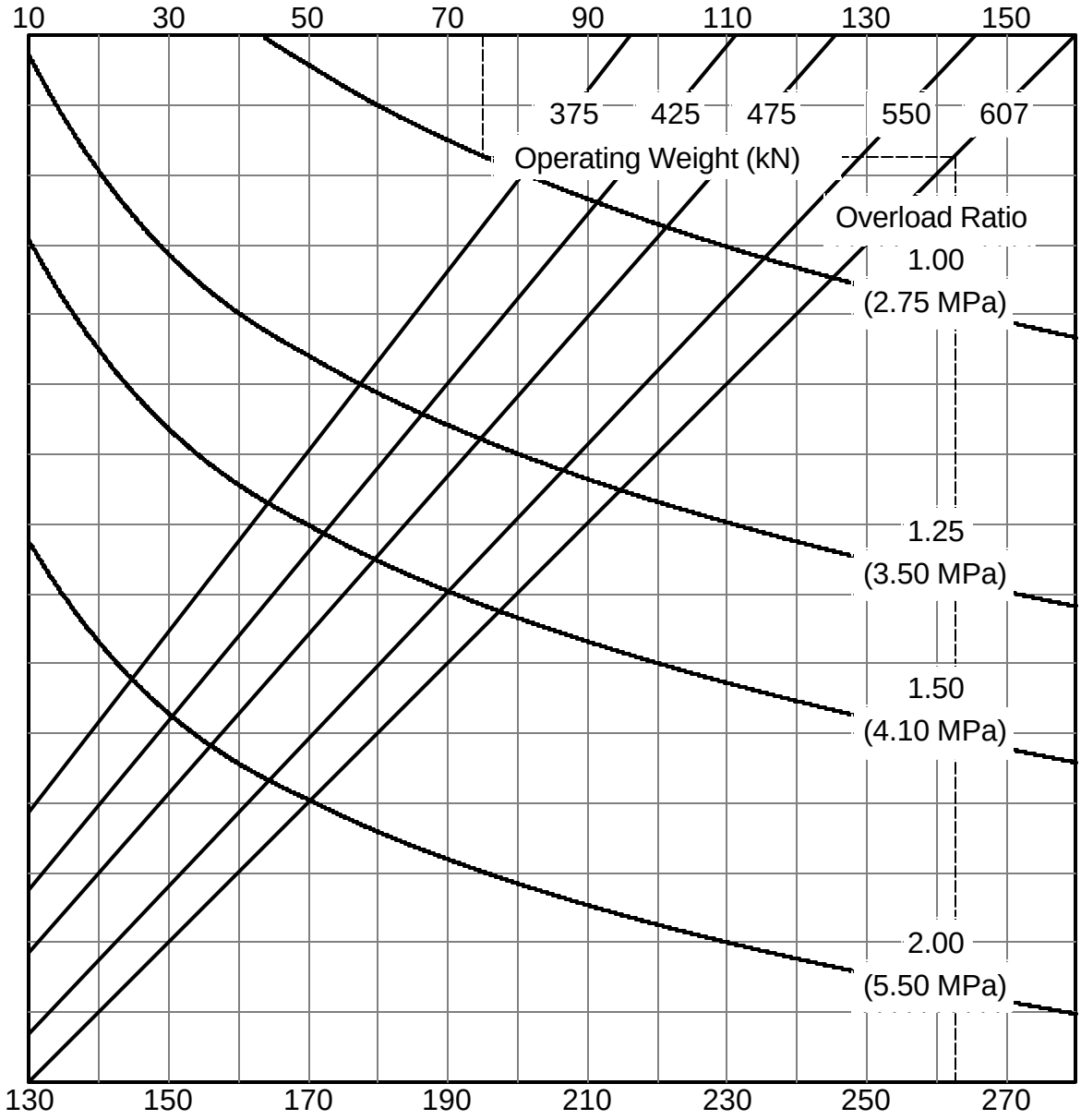
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A318-100
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	927 mm
Tire Pressure (MPa) Pression des Pneus	0.89	

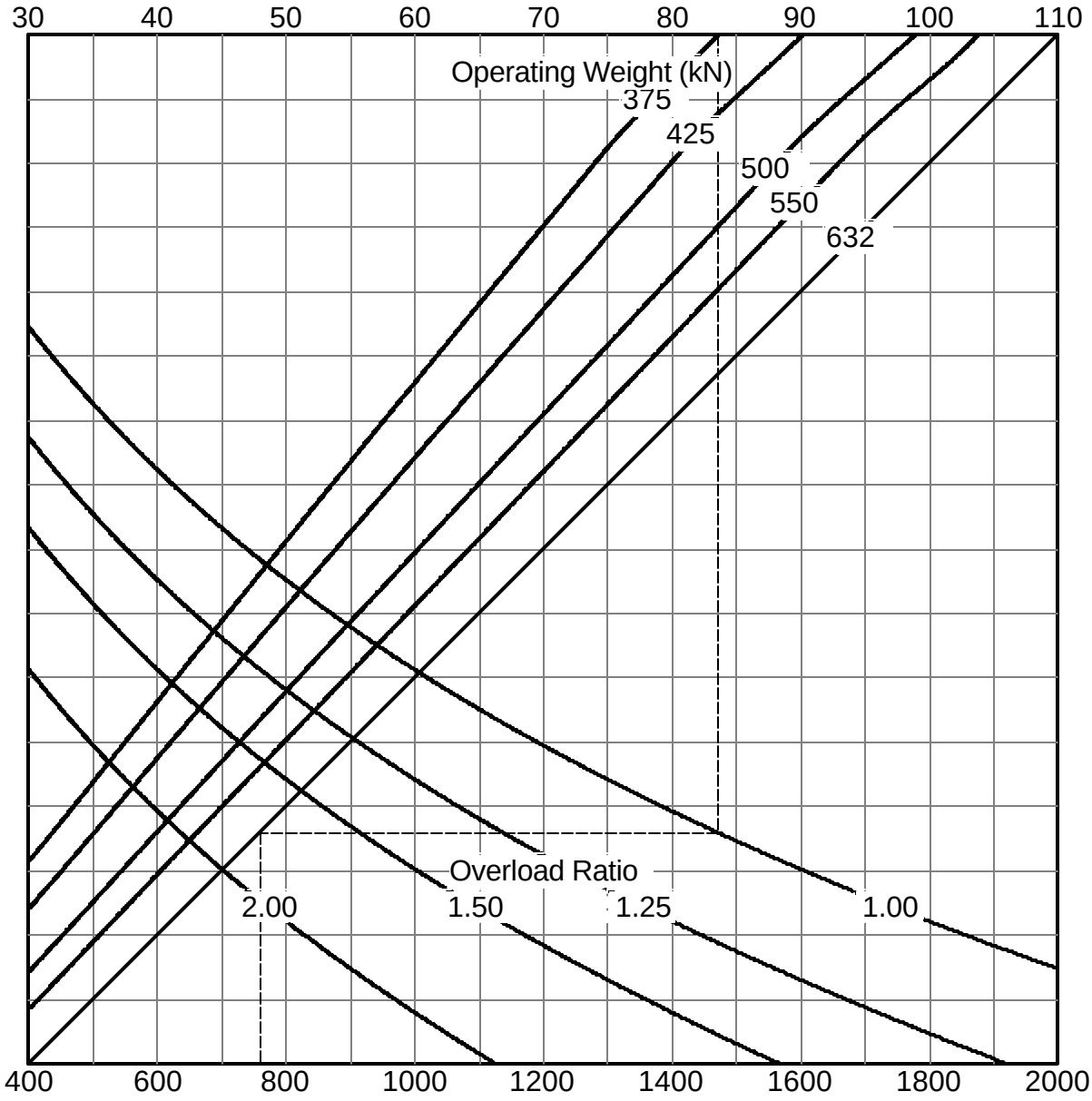
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

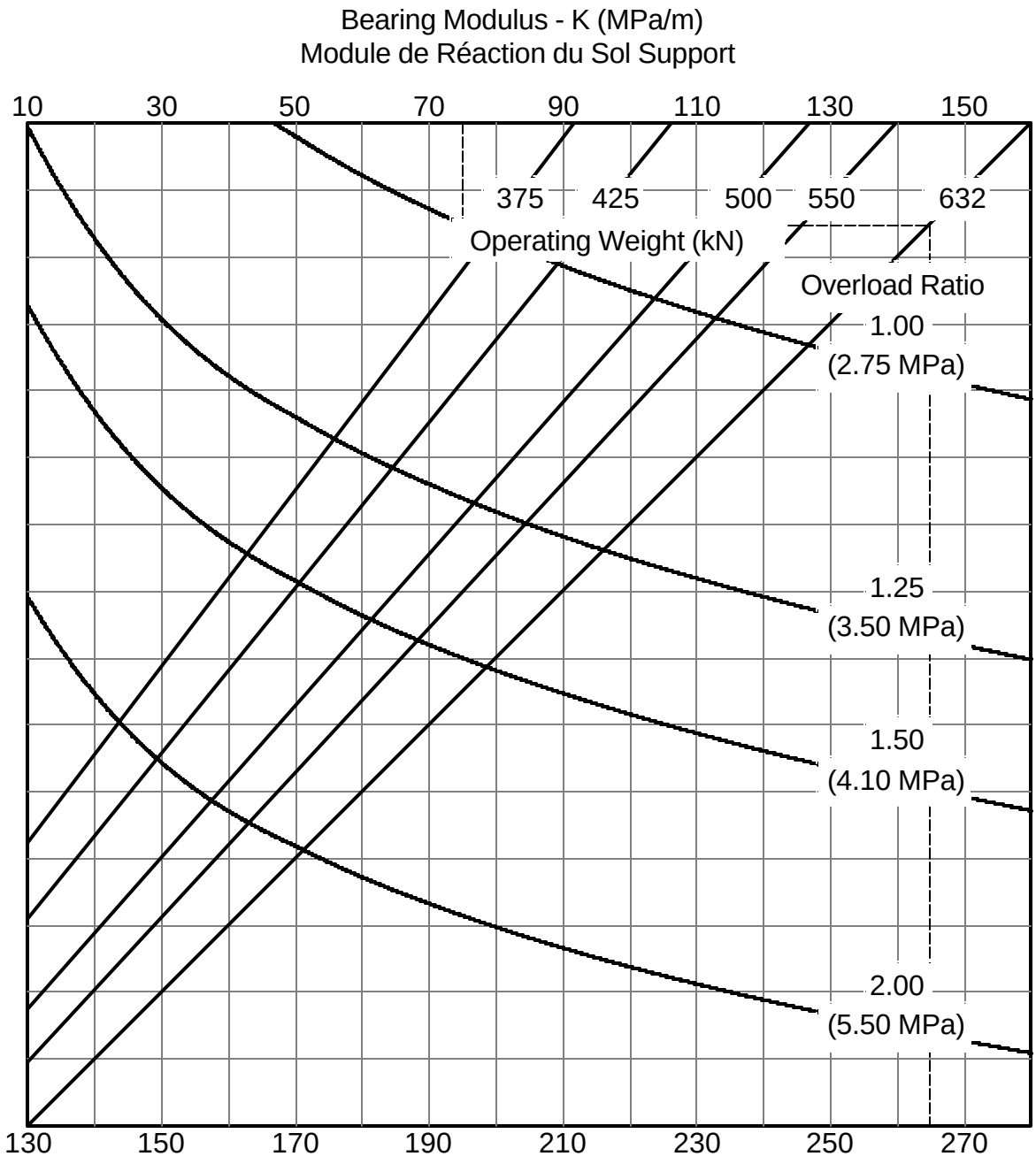
Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A319-100 (Configuration 1)
% Load on Main Gear % Poids sur Atterrisseur Principal	46.3	927 mm
Tire Pressure (MPa) Pression des Pneus	0.89	

Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



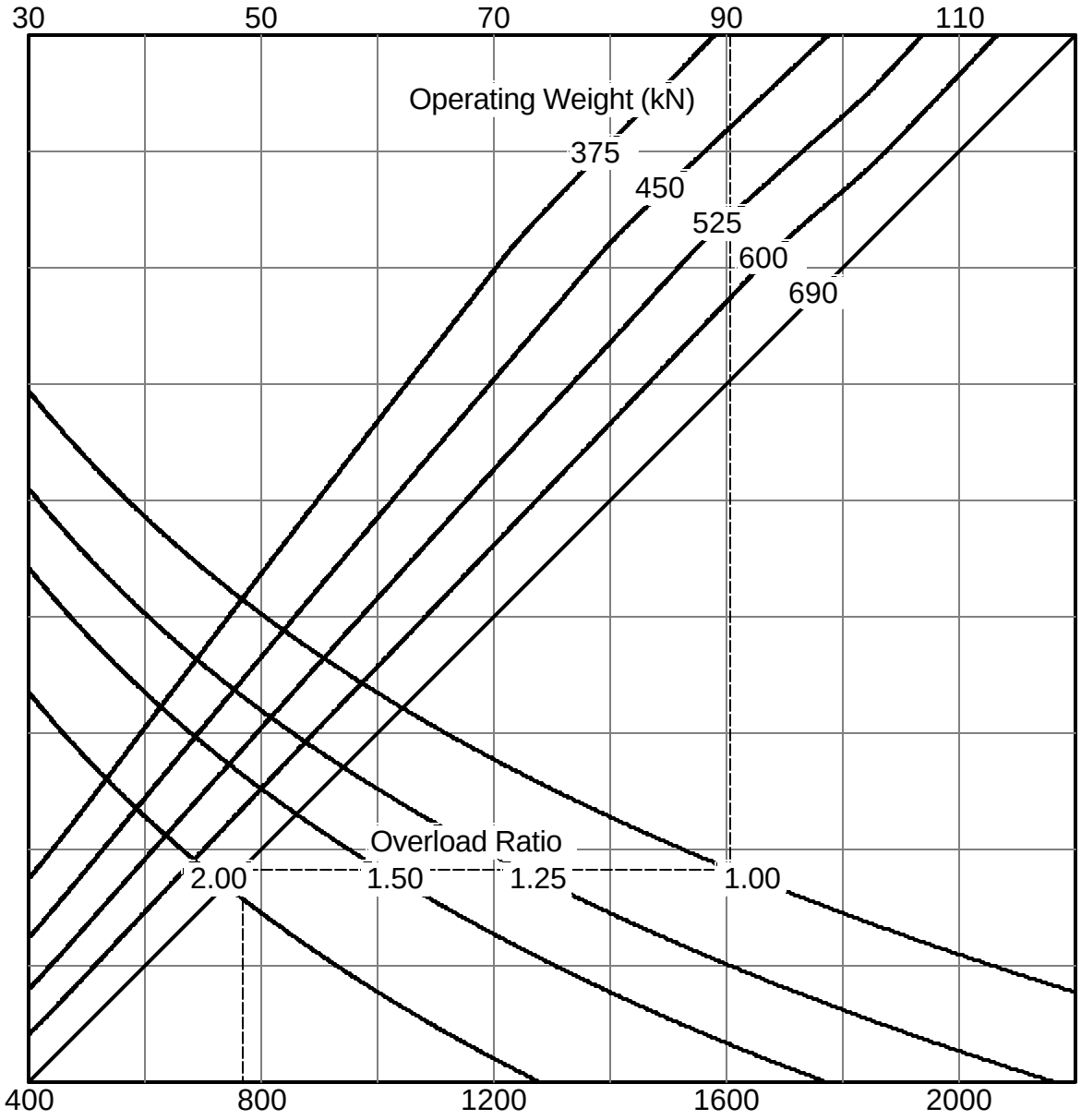
Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A319-100 (Configuration 1)
% Load on Main Gear % Poids sur Atterrisseur Principal	46.3	927 mm
Tire Pressure (MPa) Pression des Pneus	0.89	



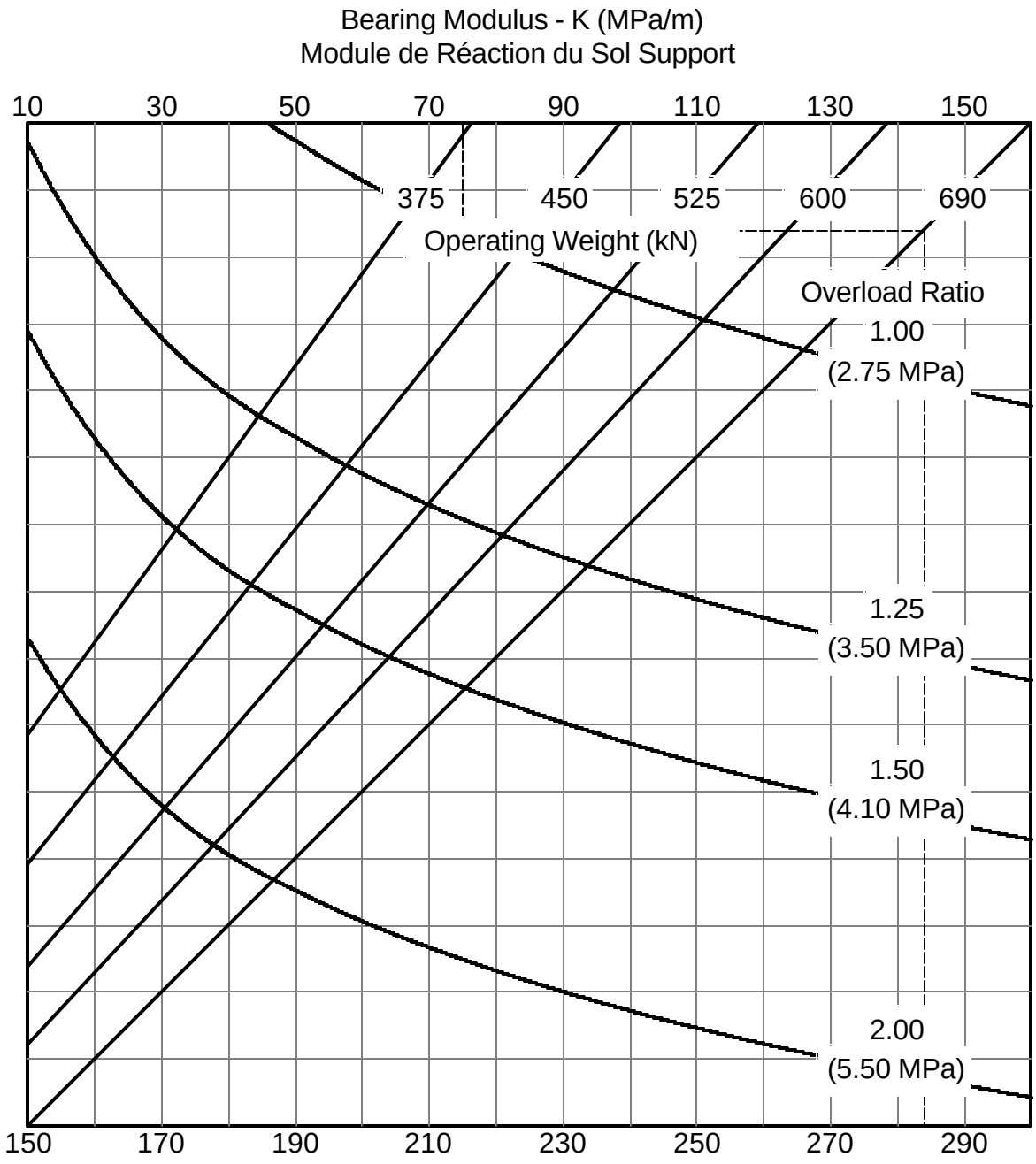
Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A319-100 (Configuration 2)
% Load on Main Gear % Poids sur Atterrisseur Principal	46.0	927 mm
Tire Pressure (MPa) Pression des Pneus	1.07	

Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



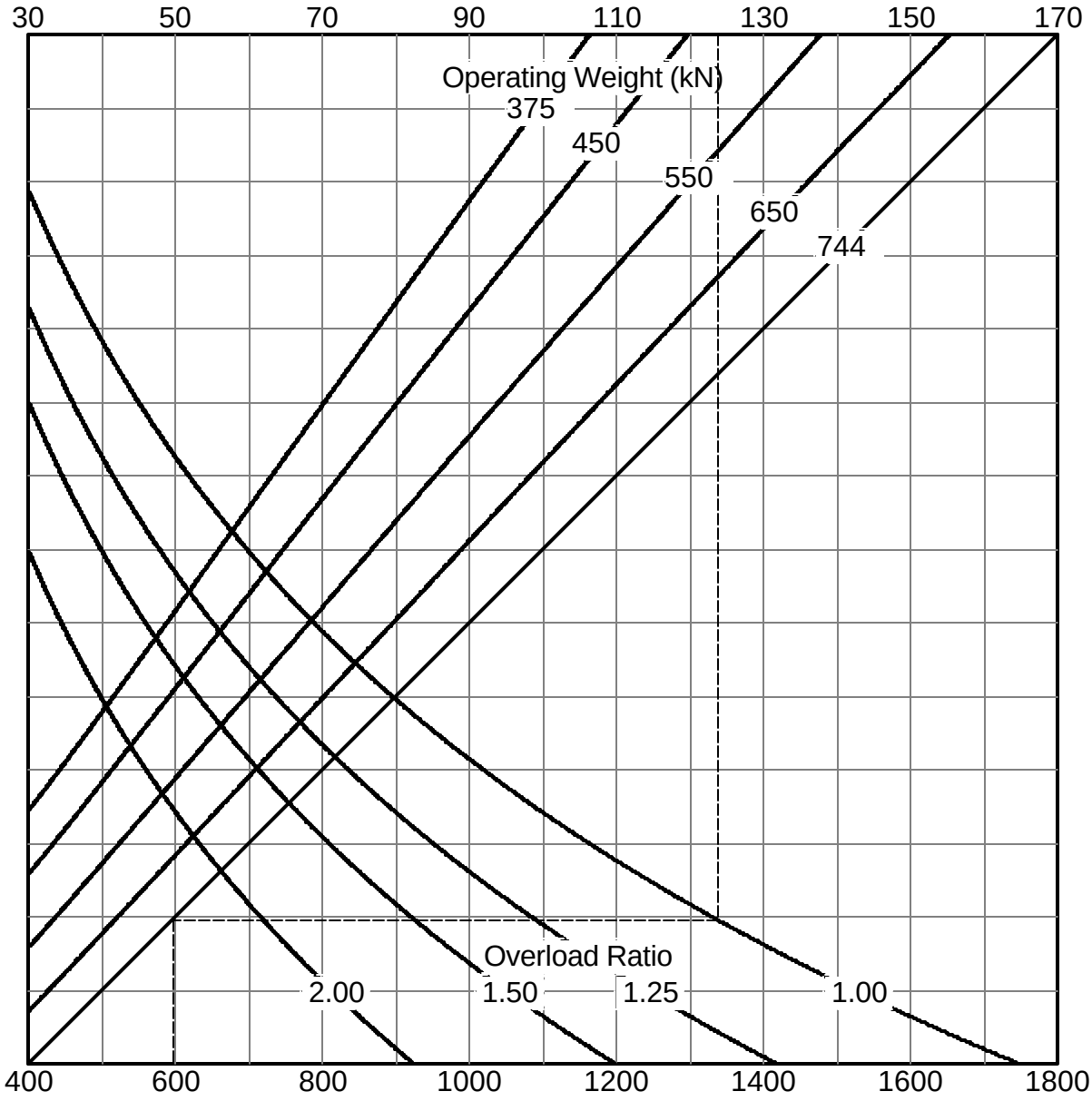
Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A319-100 (Configuration 2)
% Load on Main Gear % Poids sur Atterrisseur Principal	46.0	927 mm
Tire Pressure (MPa) Pression des Pneus	1.07	



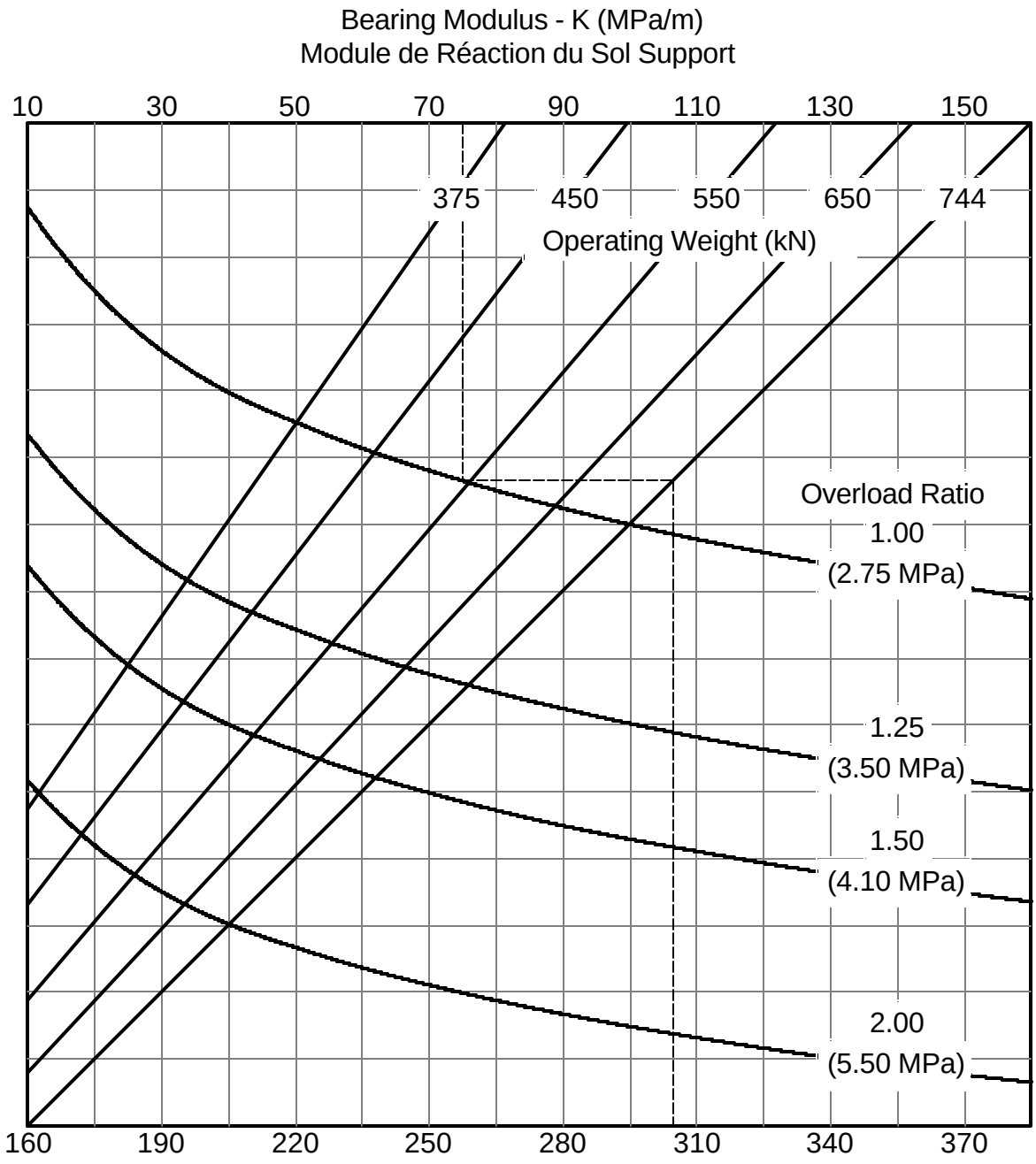
Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A319-100 (Configuration 3)
% Load on Main Gear % Poids sur Atterrisseur Principal	45.7	927 mm
Tire Pressure (MPa) Pression des Pneus	1.38	

Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



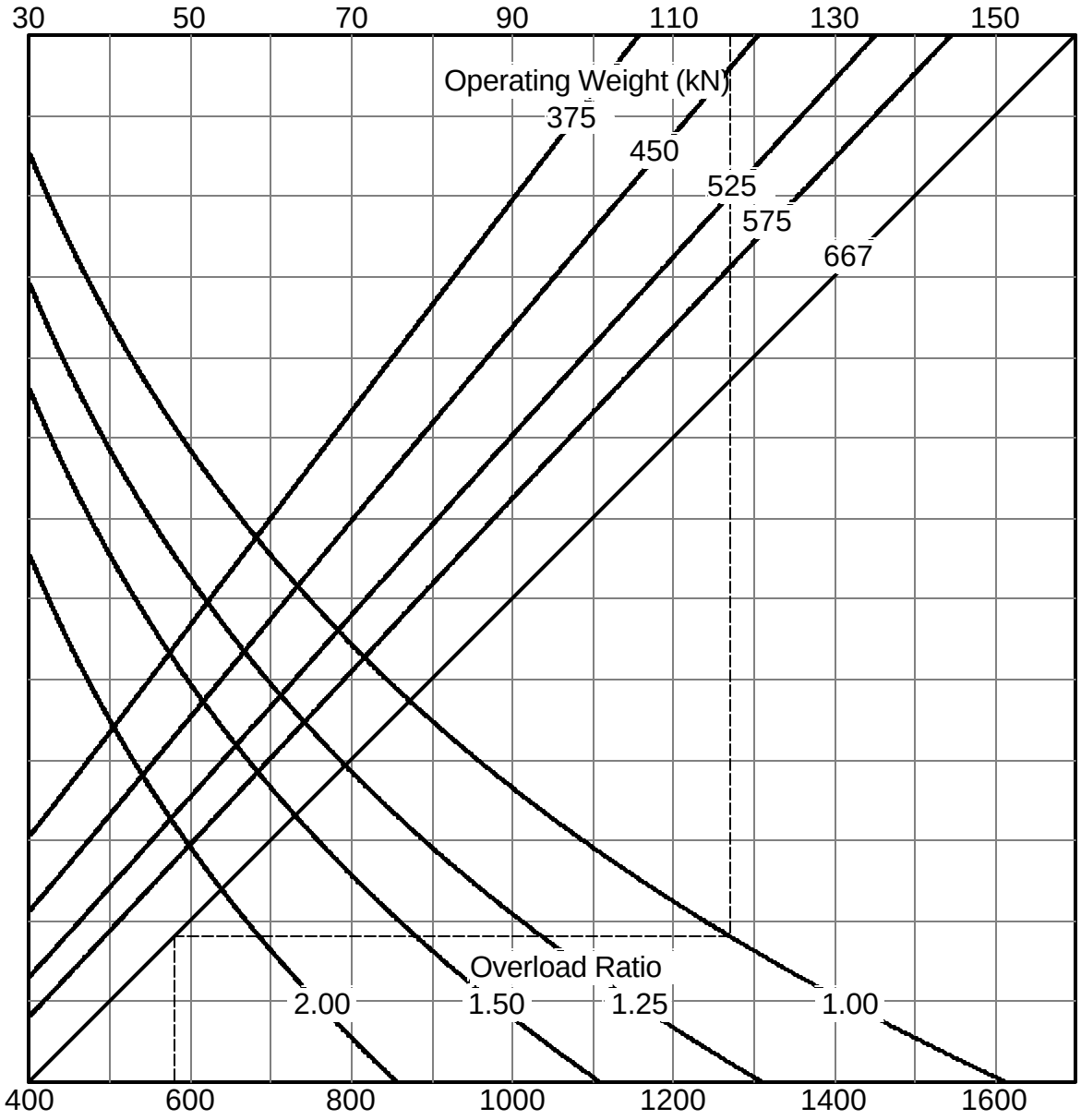
Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A319-100 (Configuration 3)
% Load on Main Gear % Poids sur Atterrisseur Principal	45.7	927 mm
Tire Pressure (MPa) Pression des Pneus	1.38	



Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A320-100
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	927 mm
Tire Pressure (MPa) Pression des Pneus	1.21	

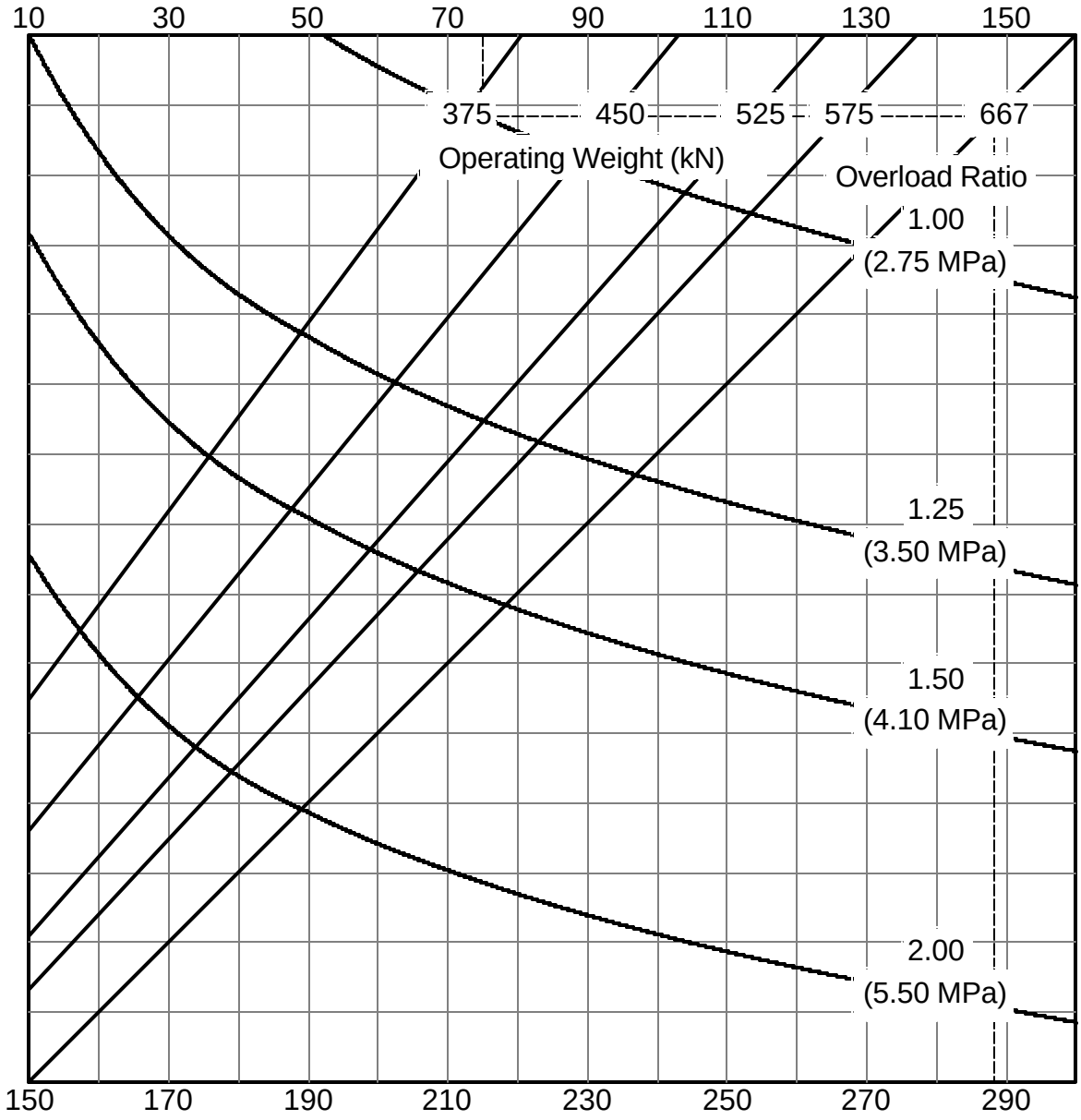
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A320-100
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	927 mm
Tire Pressure (MPa) Pression des Pneus	1.21	

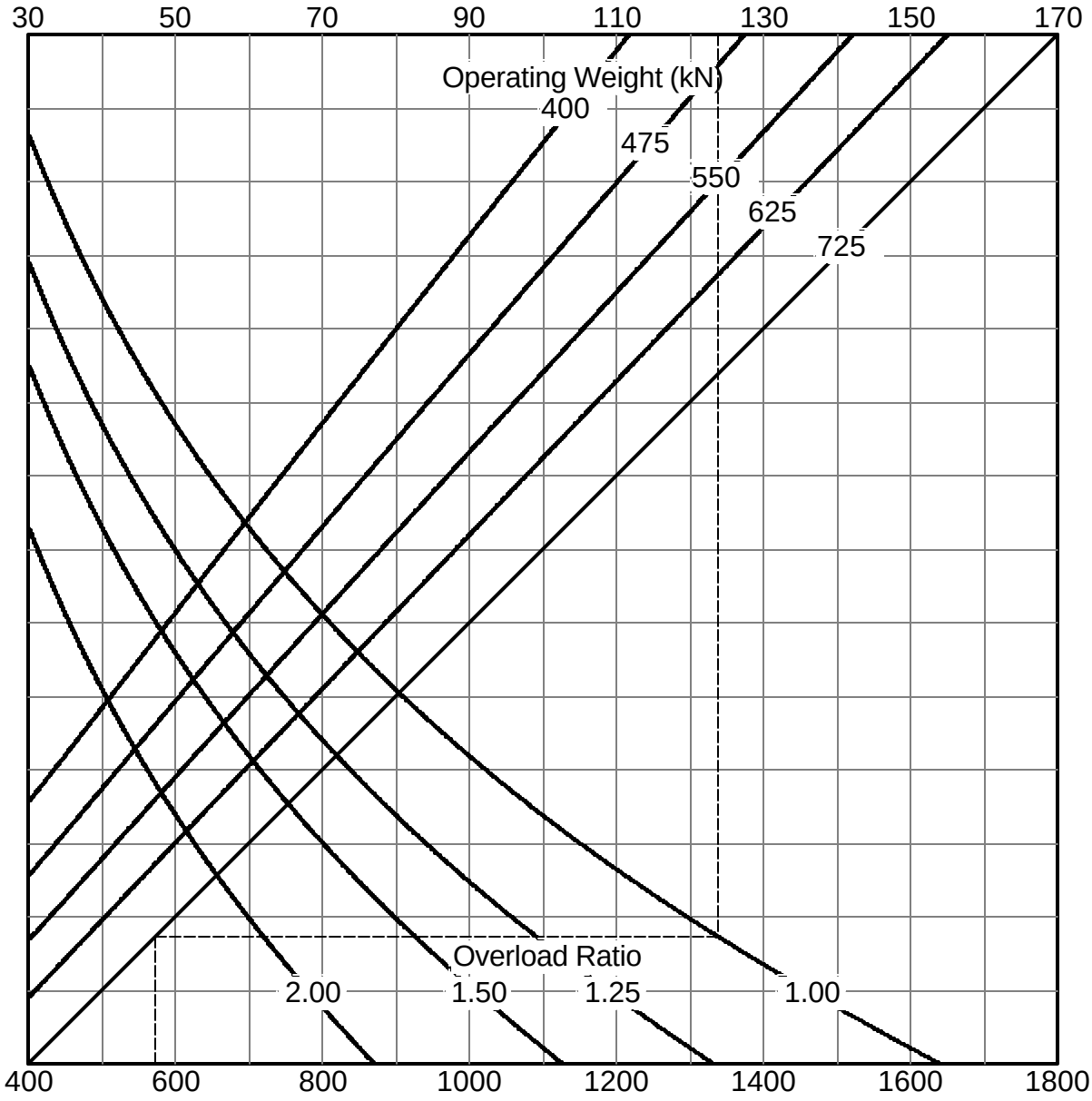
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

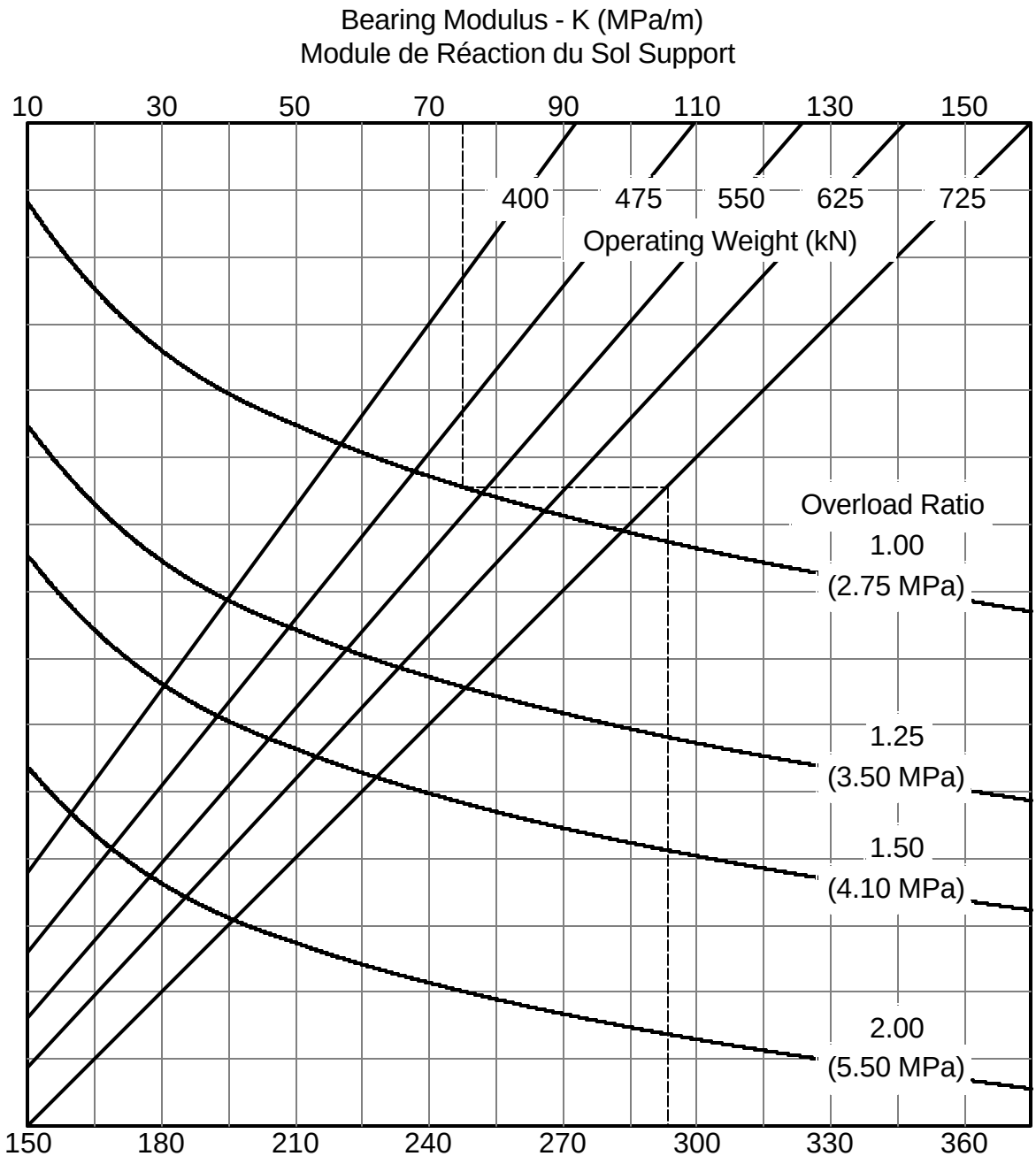
Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A320-200 (Configuration 1)
% Load on Main Gear % Poids sur Atterrisseur Principal	46.9	927 mm
Tire Pressure (MPa) Pression des Pneus	1.03	

Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



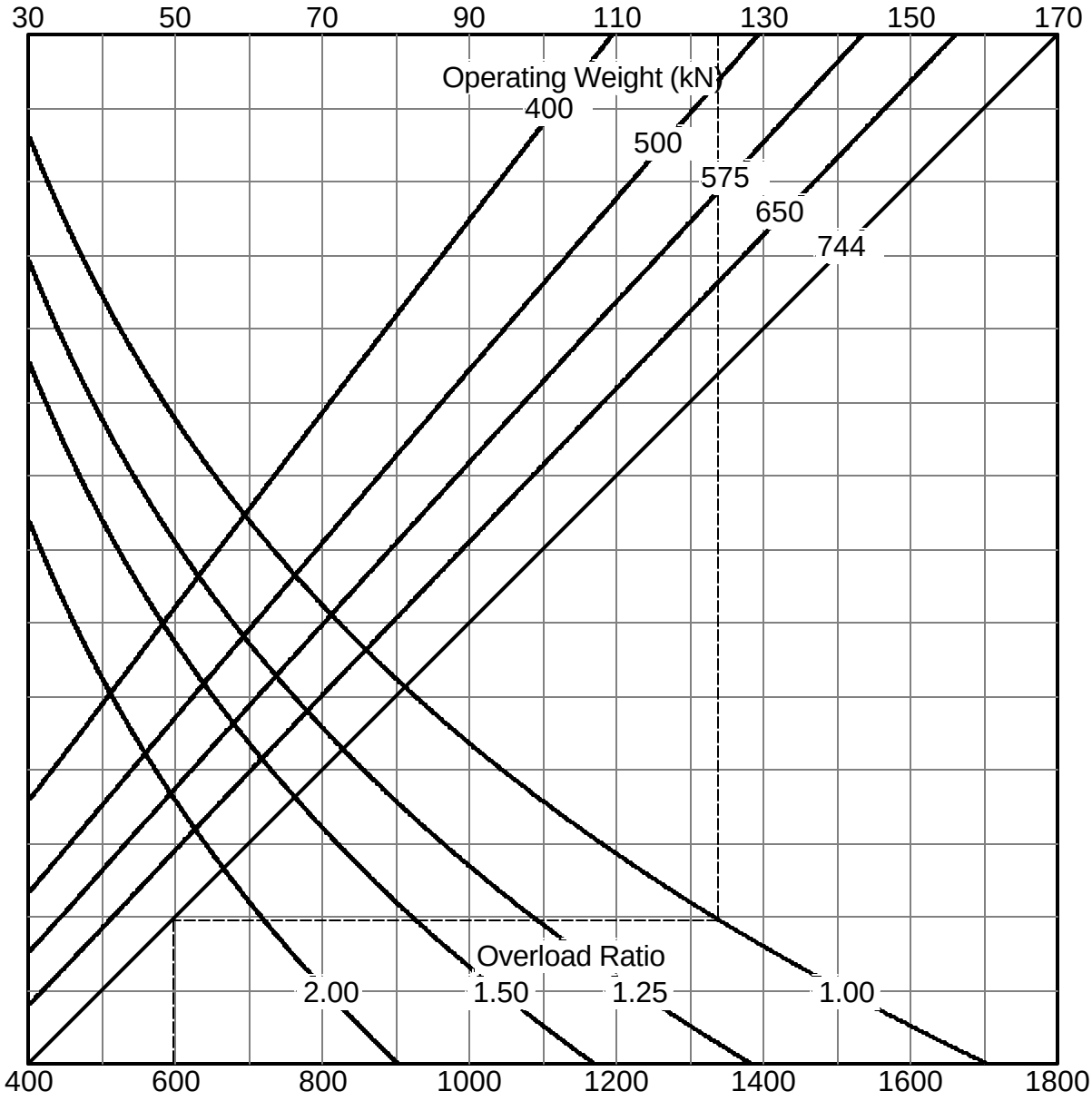
Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A320-200 (Configuration 1)
% Load on Main Gear % Poids sur Atterrisseur Principal	46.9	927 mm
Tire Pressure (MPa) Pression des Pneus	1.03	



Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A320-200 (Configuration 2)
% Load on Main Gear % Poids sur Atterrisseur Principal	46.7	927 mm
Tire Pressure (MPa) Pression des Pneus	1.14	

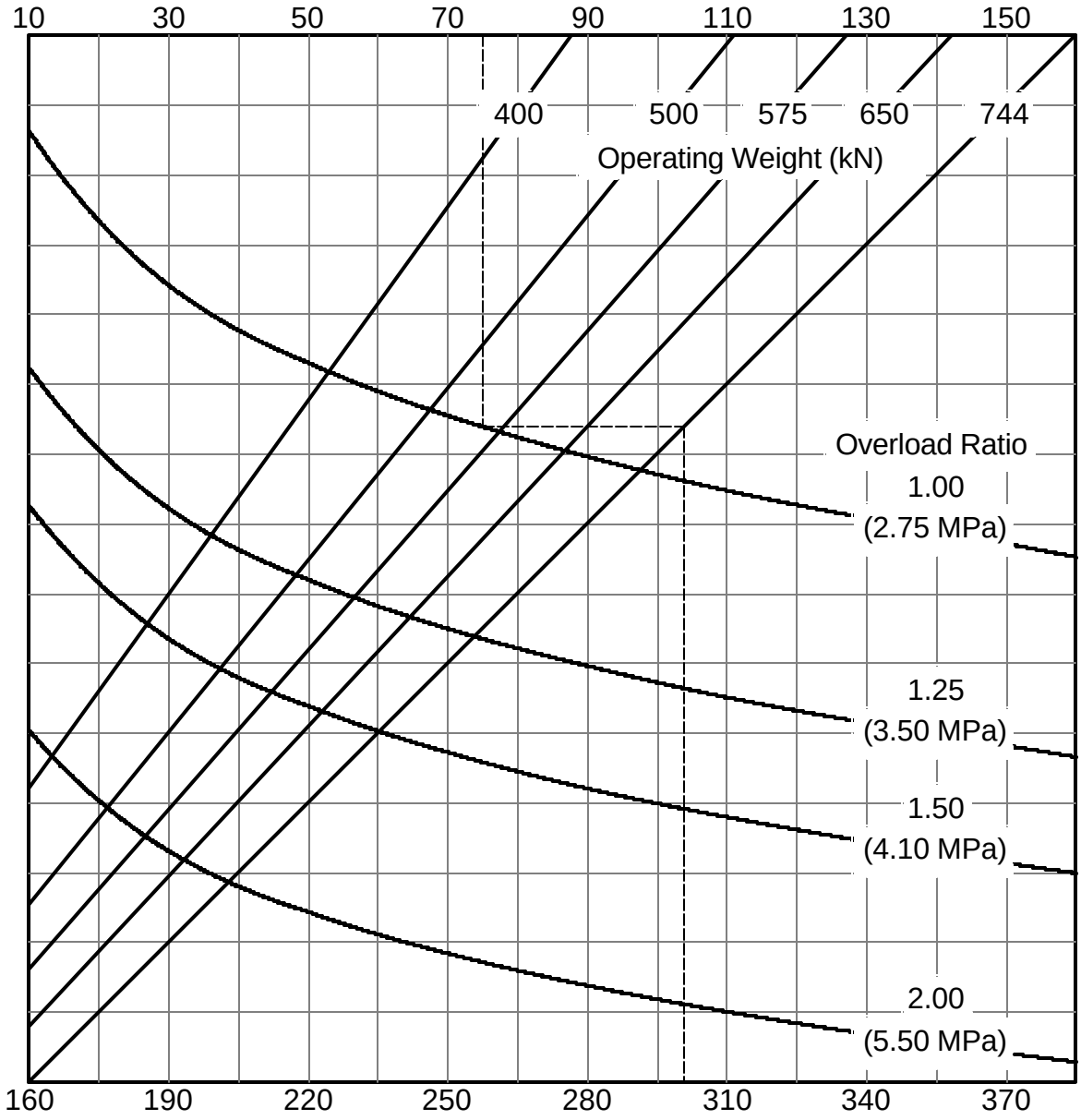
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A320-200 (Configuration 2)
% Load on Main Gear % Poids sur Atterrisseur Principal	46.7	927 mm
Tire Pressure (MPa) Pression des Pneus	1.14	

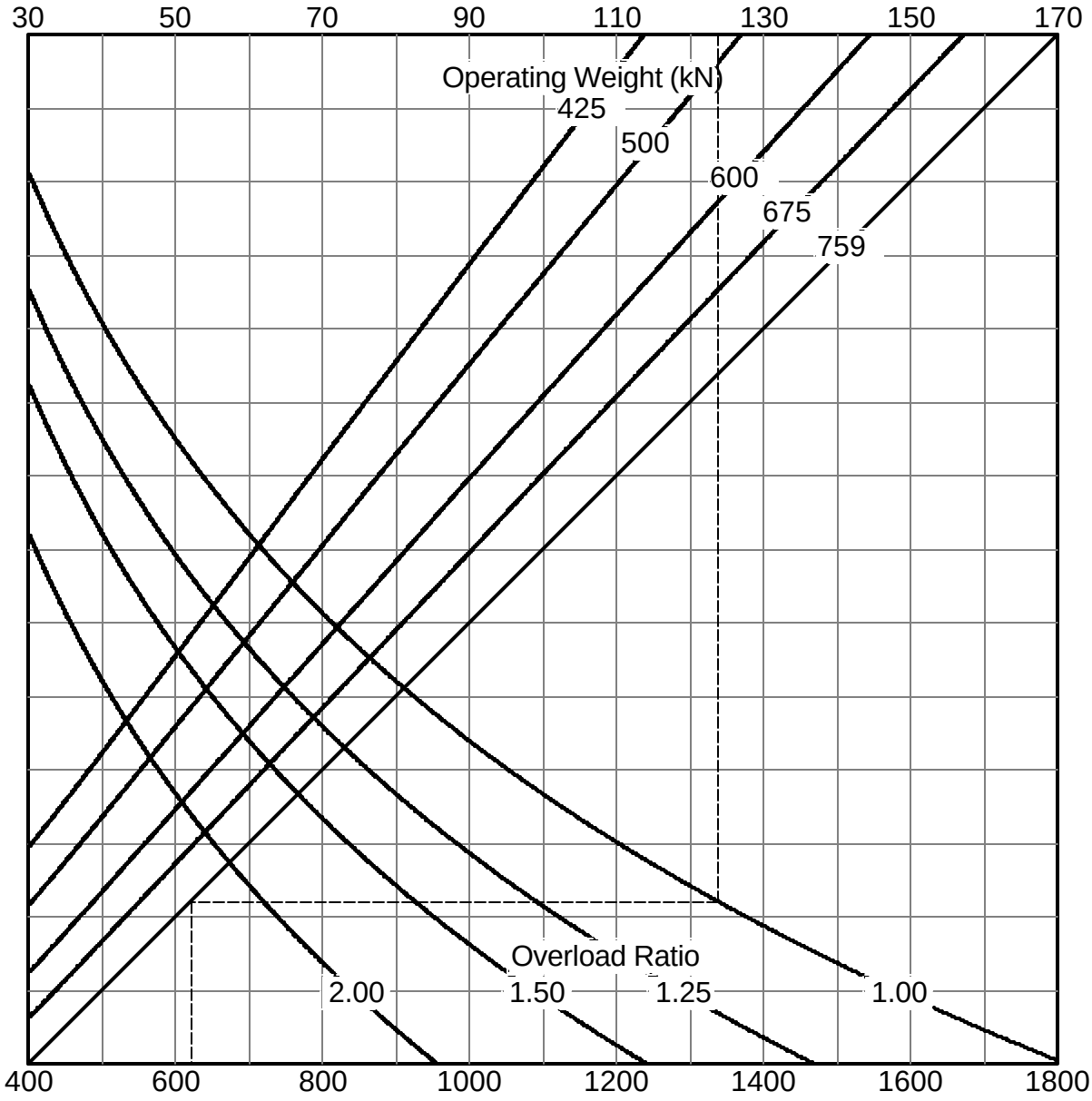
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

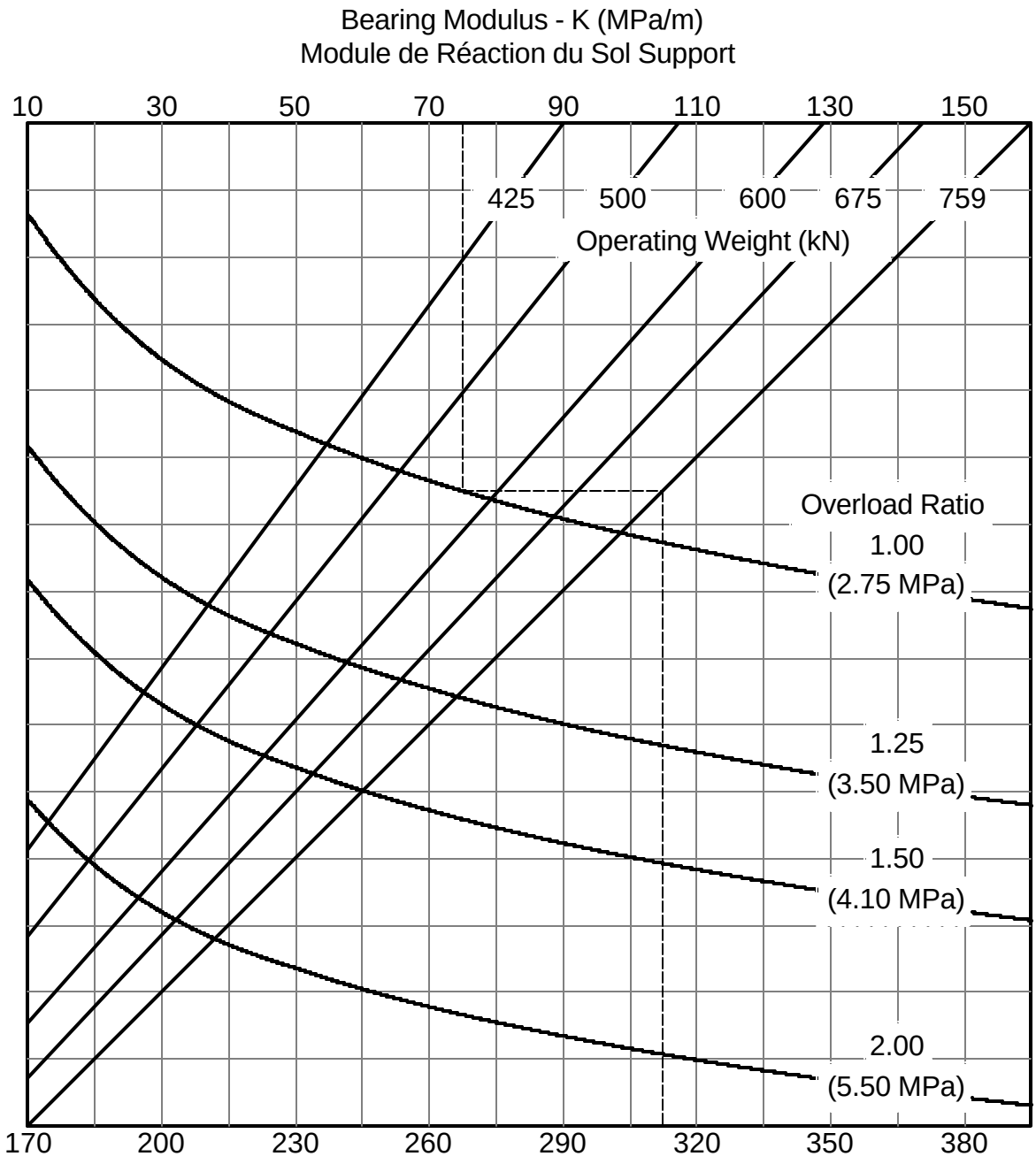
Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A320-200 (Configuration 3)
% Load on Main Gear % Poids sur Atterrisseur Principal	46.5	927 mm
Tire Pressure (MPa) Pression des Pneus	1.44	

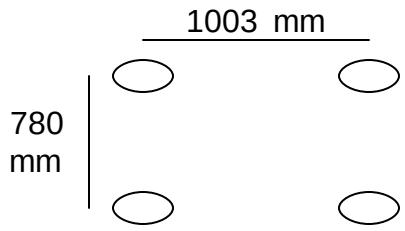
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



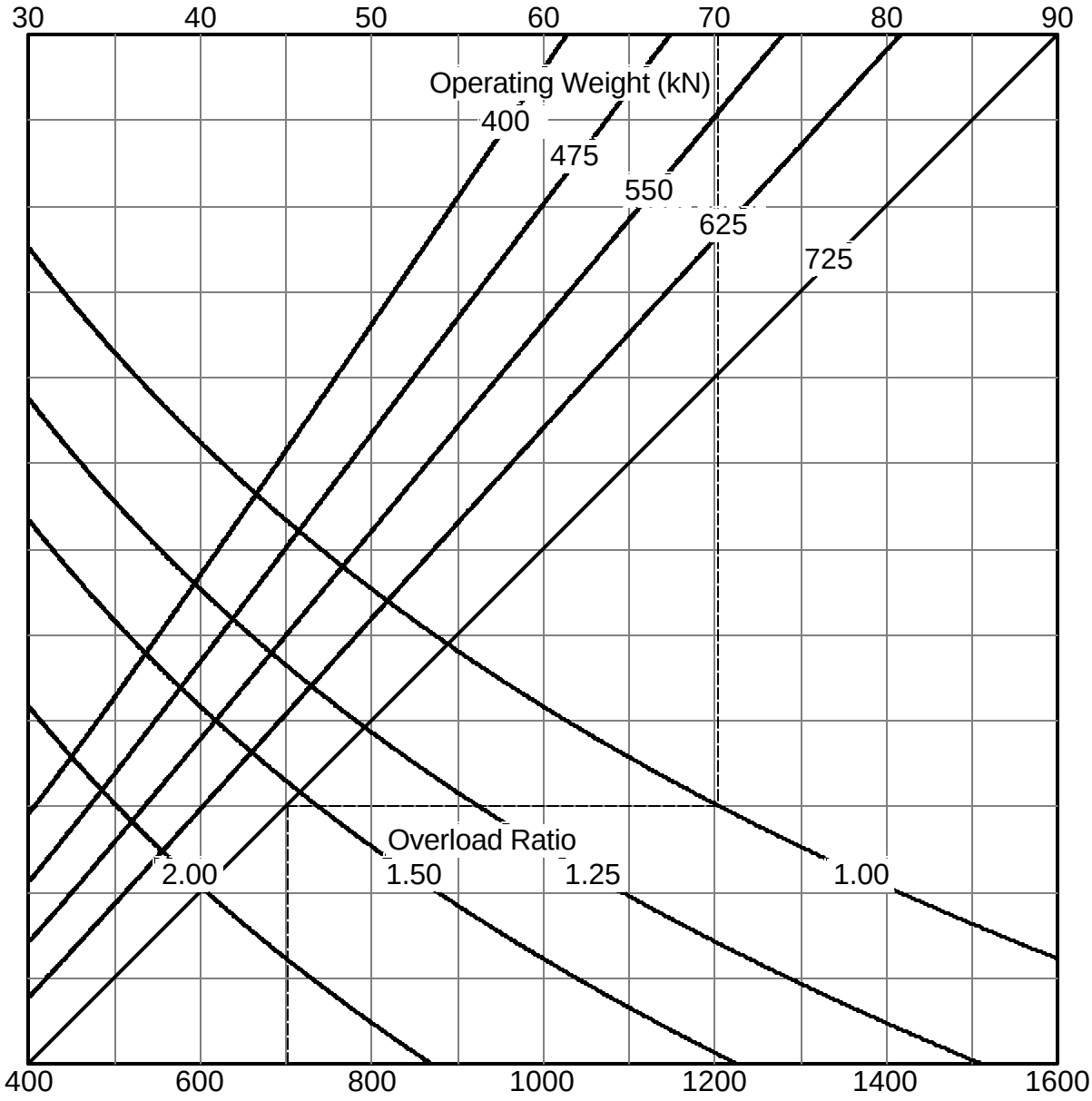
Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A320-200 (Configuration 3)
% Load on Main Gear % Poids sur Atterrisseur Principal	46.5	927 mm
Tire Pressure (MPa) Pression des Pneus	1.44	

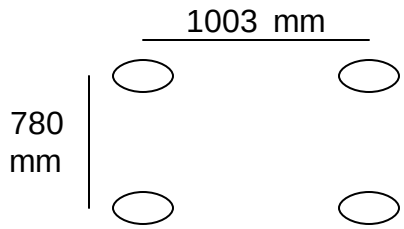


Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A320-200 (Opt. Bogie)
% Load on Main Gear % Poids sur Atterrisseur Principal	46.9	
Tire Pressure (MPa) Pression des Pneus	1.22	

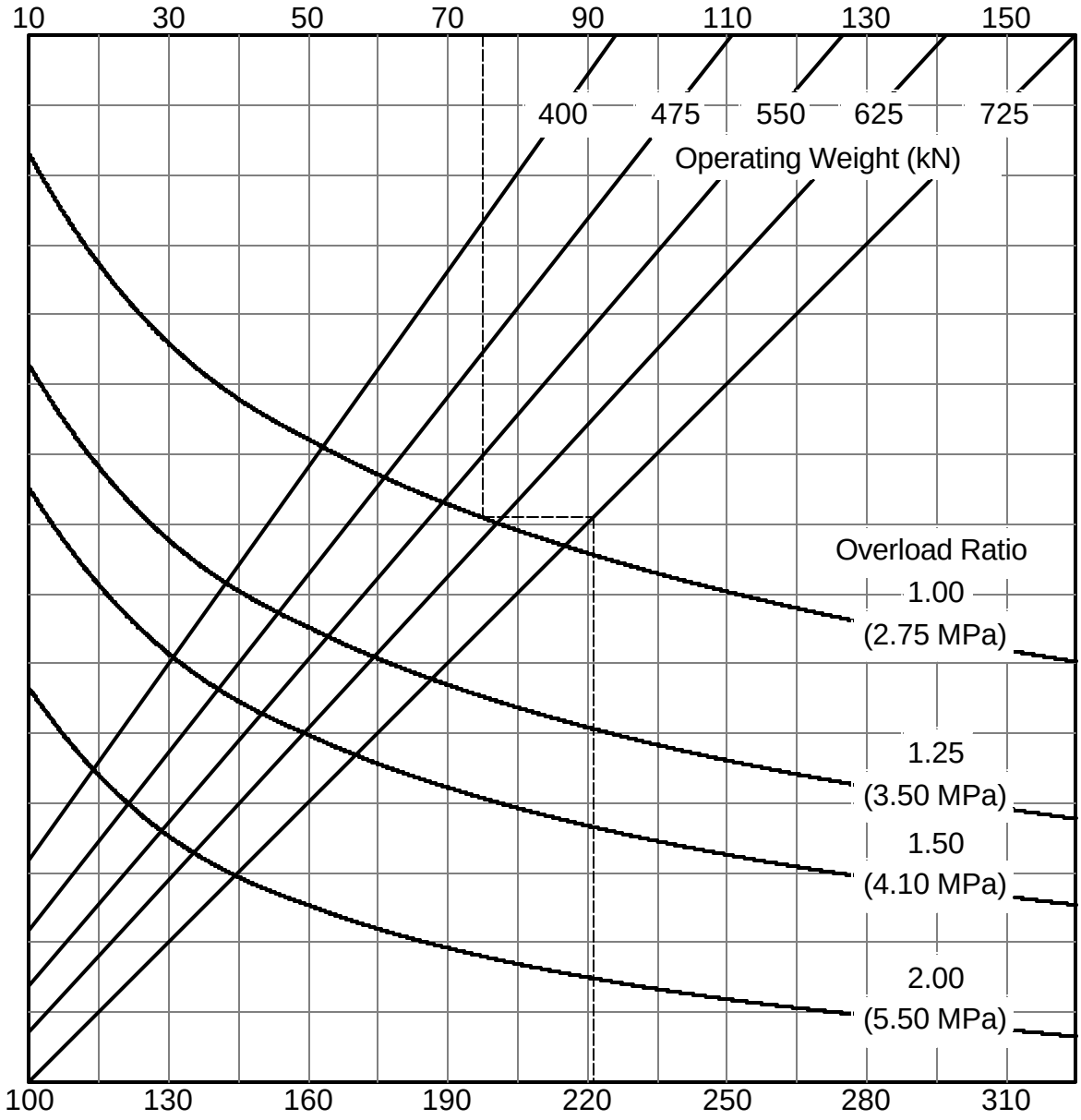
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



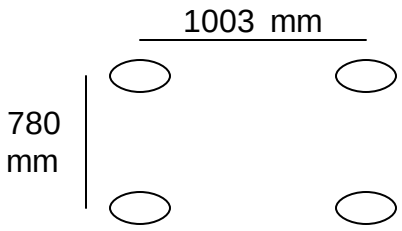
Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A320-200 (Opt. Bogie)
% Load on Main Gear % Poids sur Atterrisseur Principal	46.9	
Tire Pressure (MPa) Pression des Pneus	1.22	

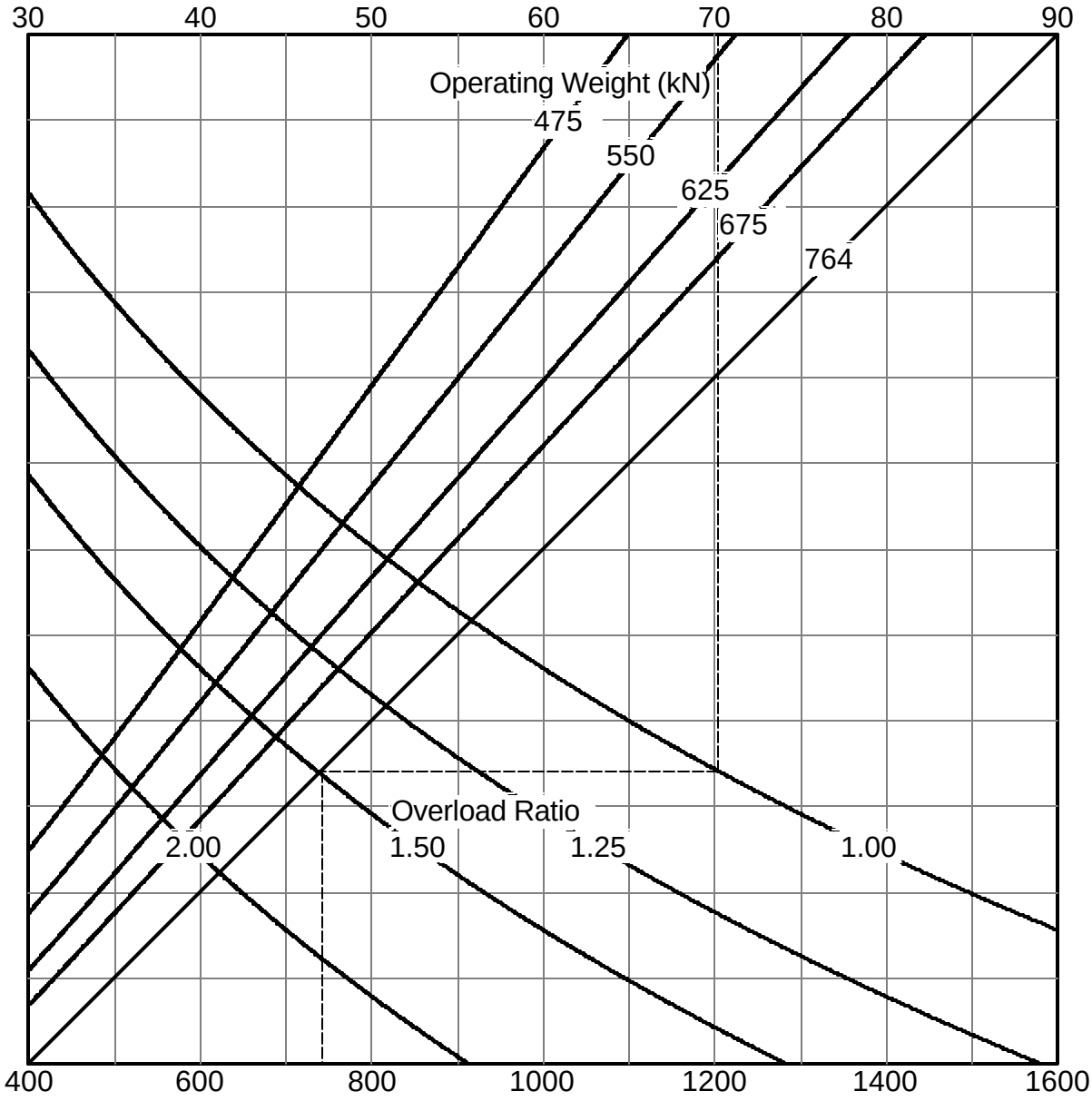
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



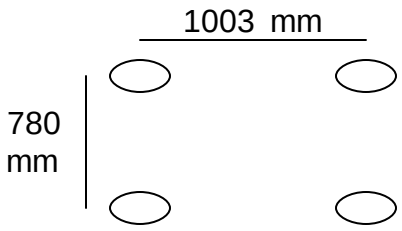
Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A320-212 (4-Wheel Bogie)
% Load on Main Gear % Poids sur Atterrisseur Principal	46.9	
Tire Pressure (MPa) Pression des Pneus	1.22	

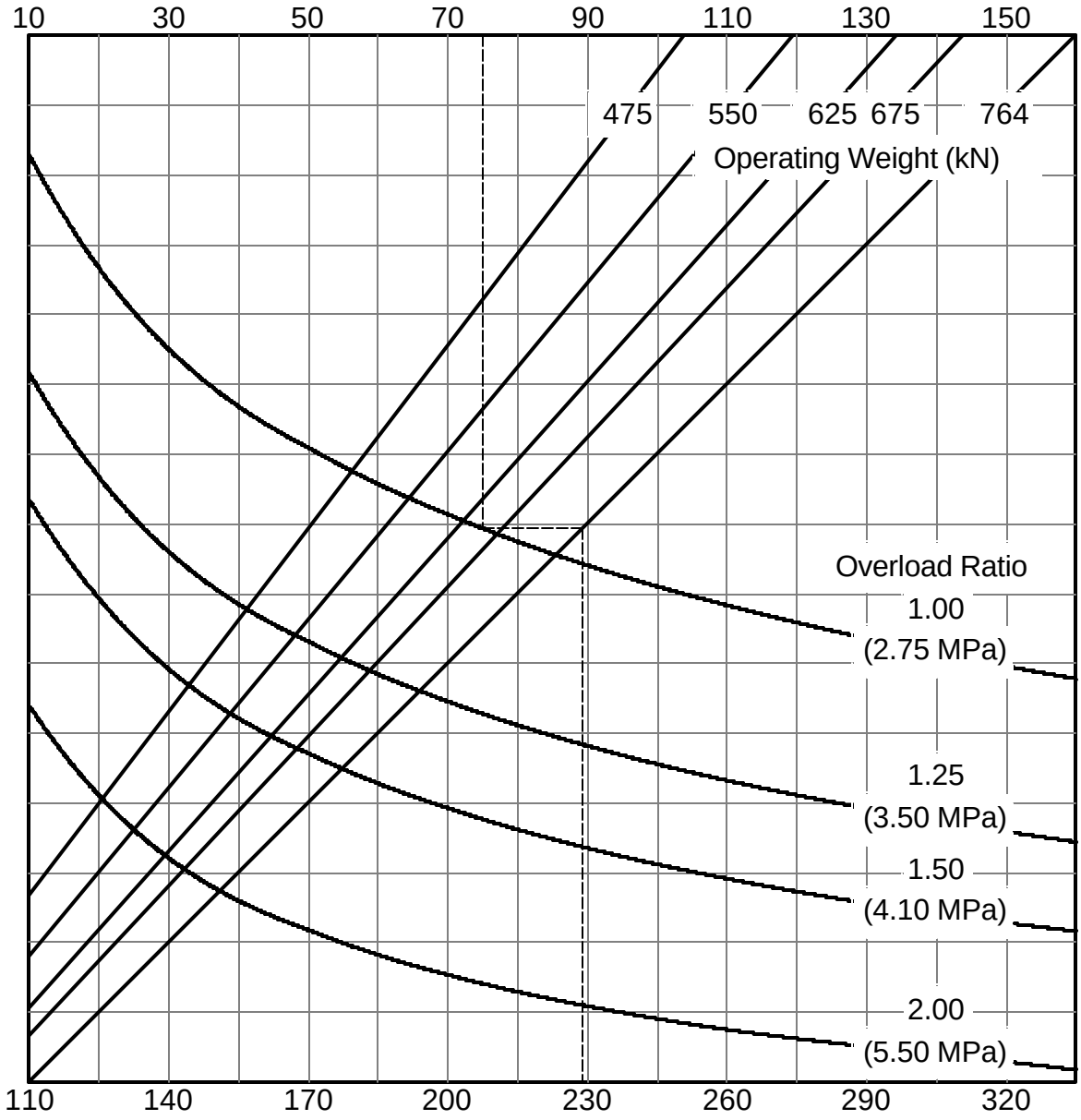
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A320-212 (4-Wheel Bogie)
% Load on Main Gear % Poids sur Atterrisseur Principal	46.9	
Tire Pressure (MPa) Pression des Pneus	1.22	

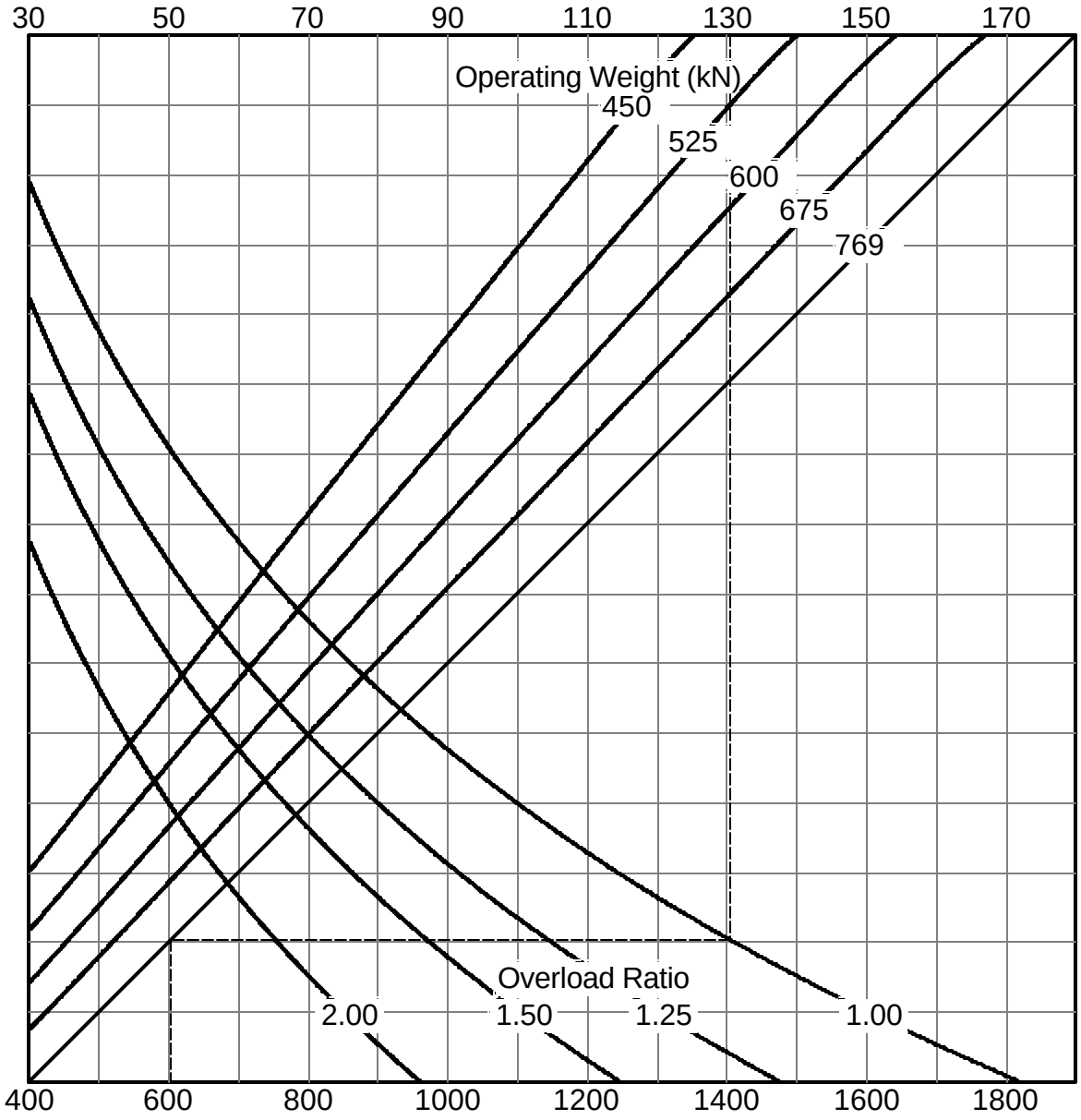
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A321-100 (Configuration 1)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.8	927 mm
Tire Pressure (MPa) Pression des Pneus	1.28	

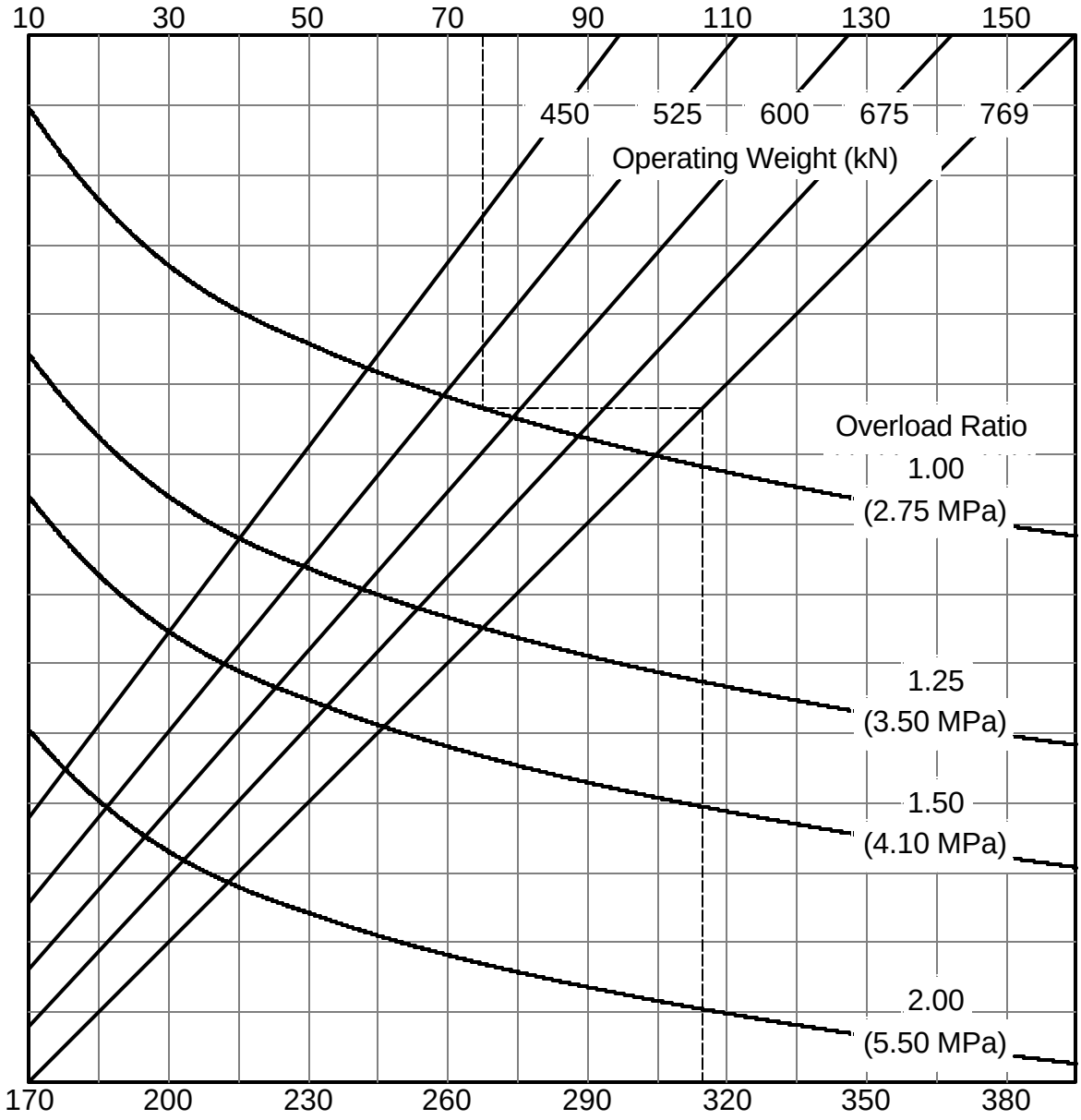
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A321-100 (Configuration 1)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.8	927 mm
Tire Pressure (MPa) Pression des Pneus	1.28	

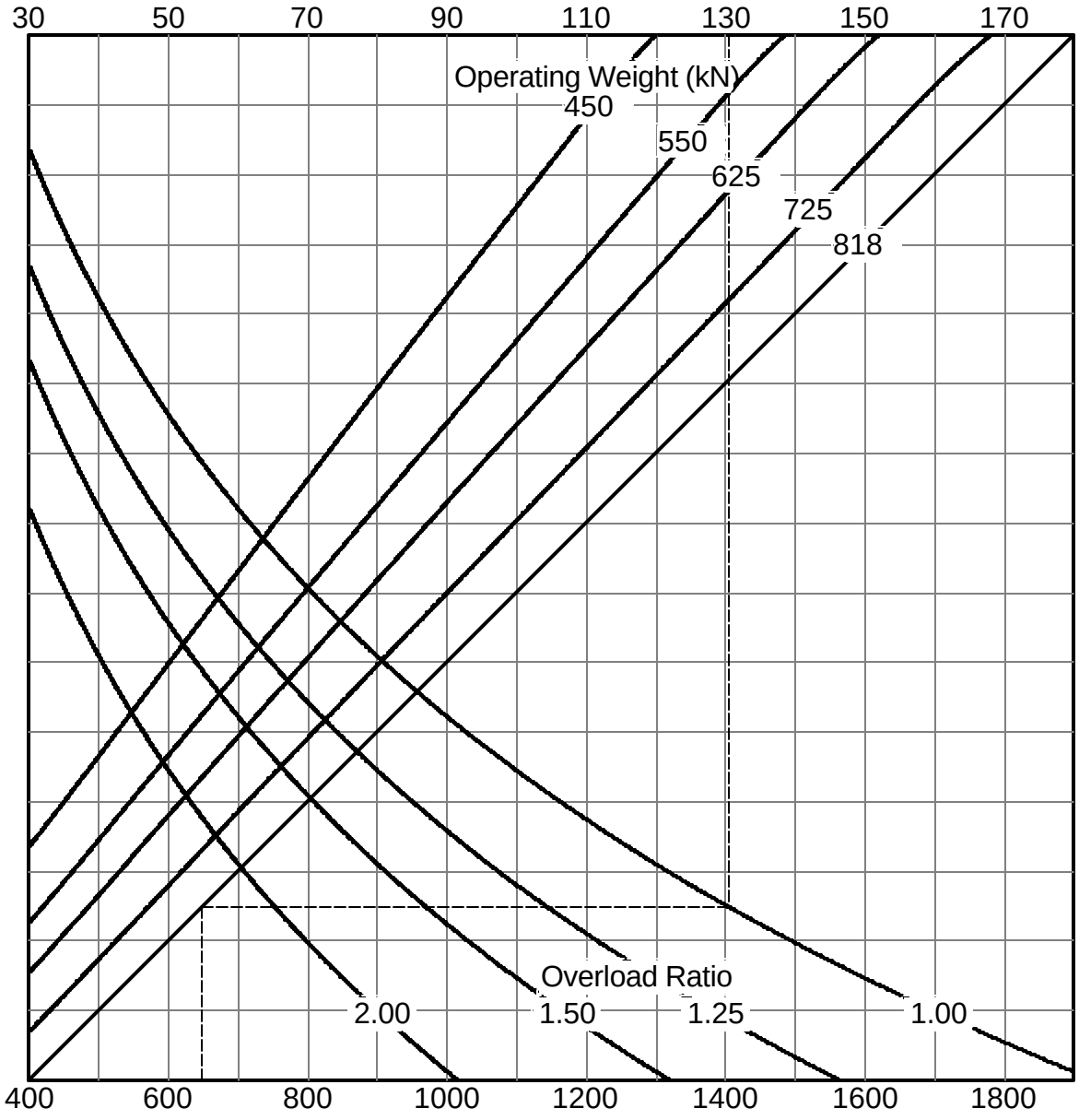
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A321-100 (Configuration 2)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.8	927 mm
Tire Pressure (MPa) Pression des Pneus	1.36	

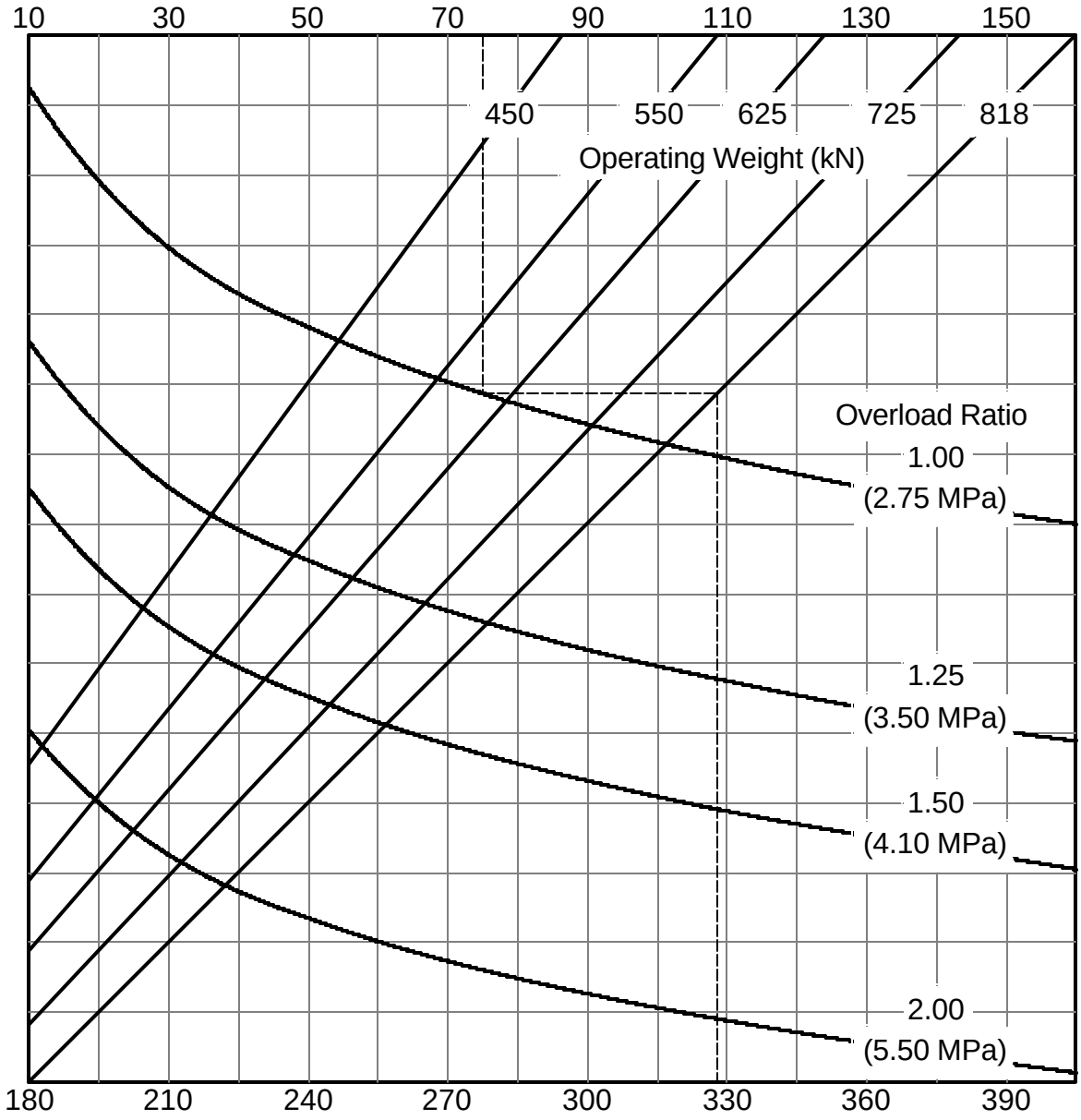
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A321-100 (Configuration 2)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.8	927 mm
Tire Pressure (MPa) Pression des Pneus	1.36	

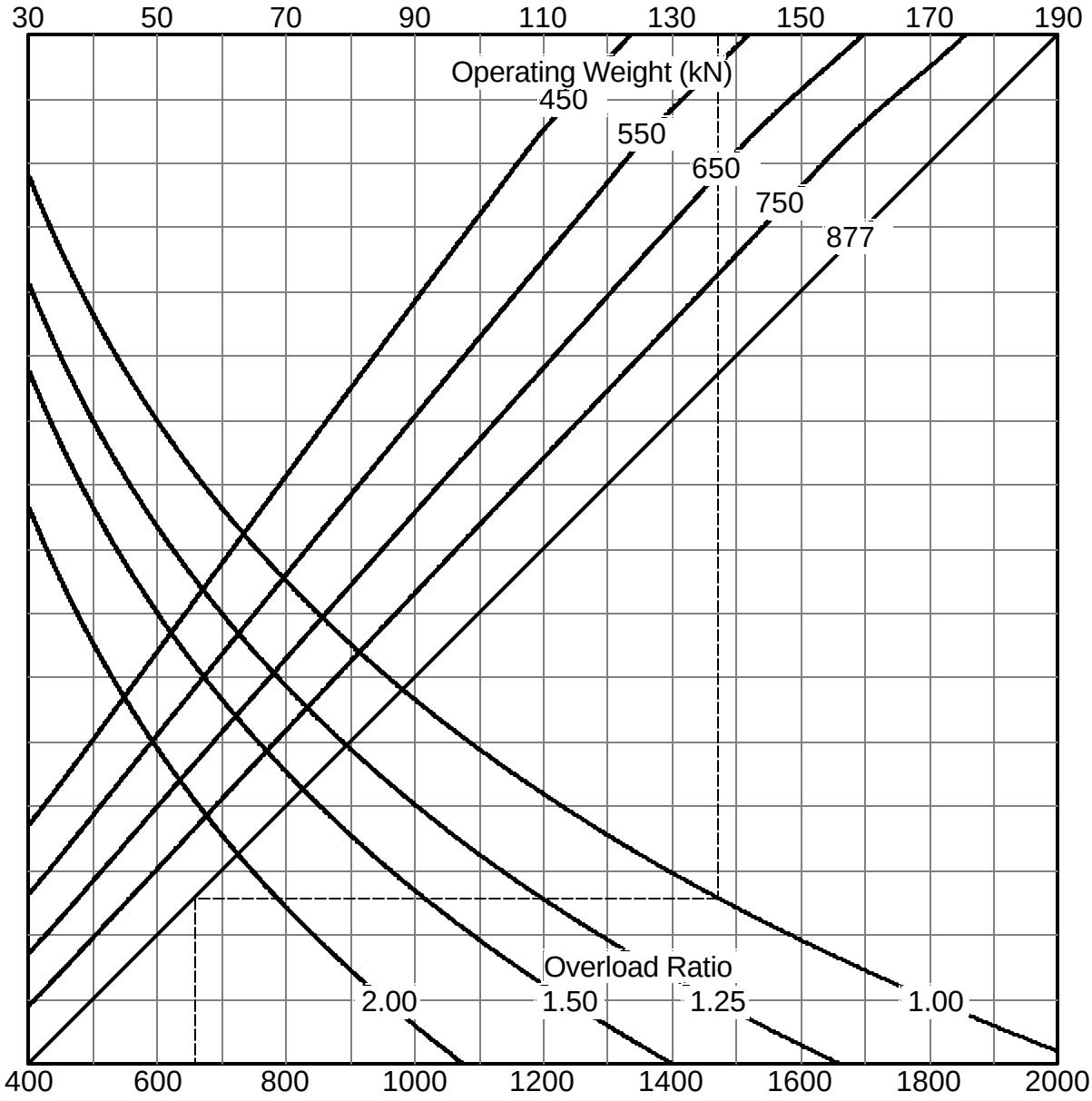
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A321-200
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	927 mm
Tire Pressure (MPa) Pression des Pneus	1.46	

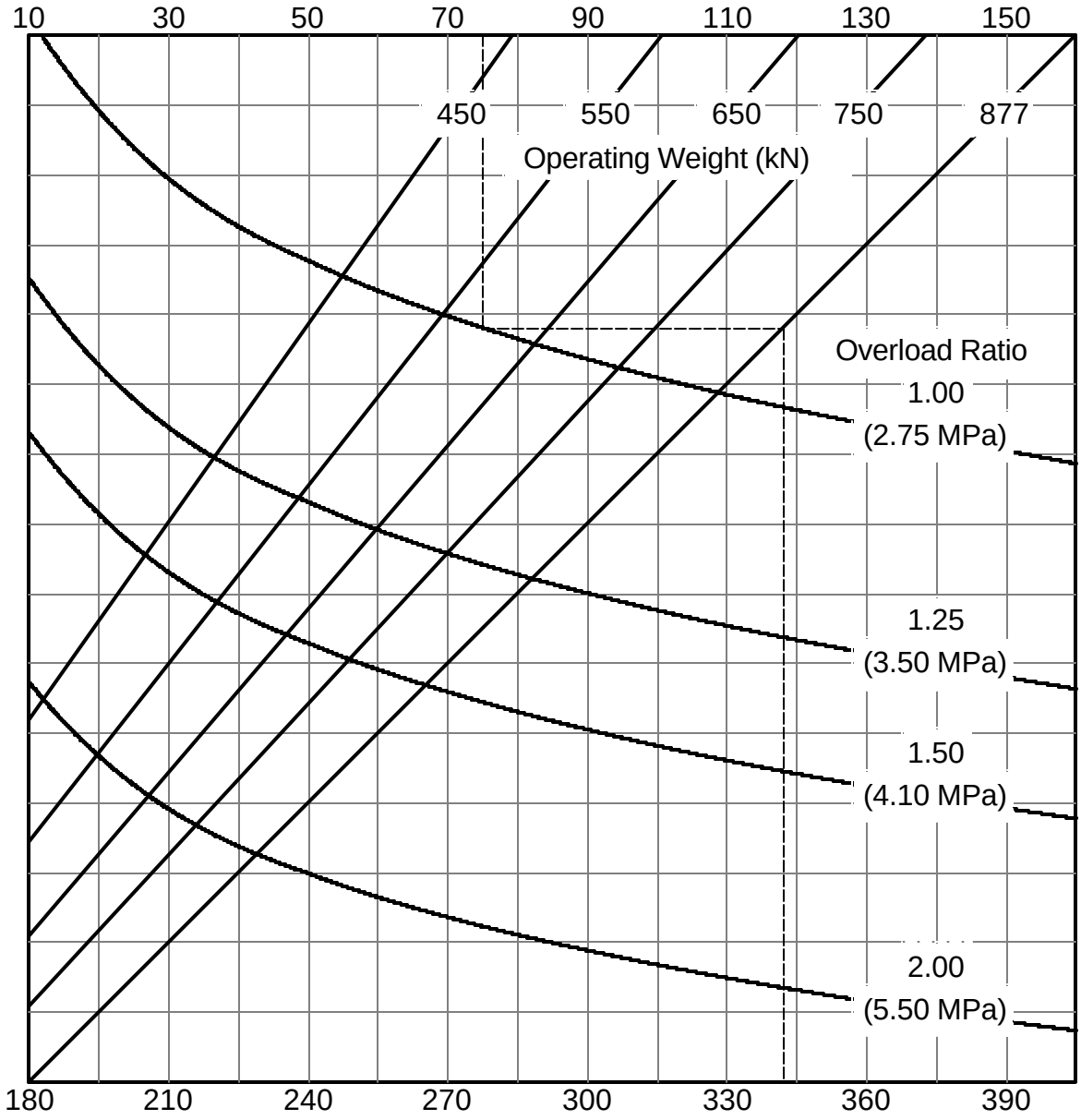
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



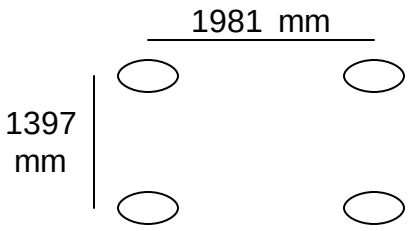
Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A321-200
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	927 mm
Tire Pressure (MPa) Pression des Pneus	1.46	

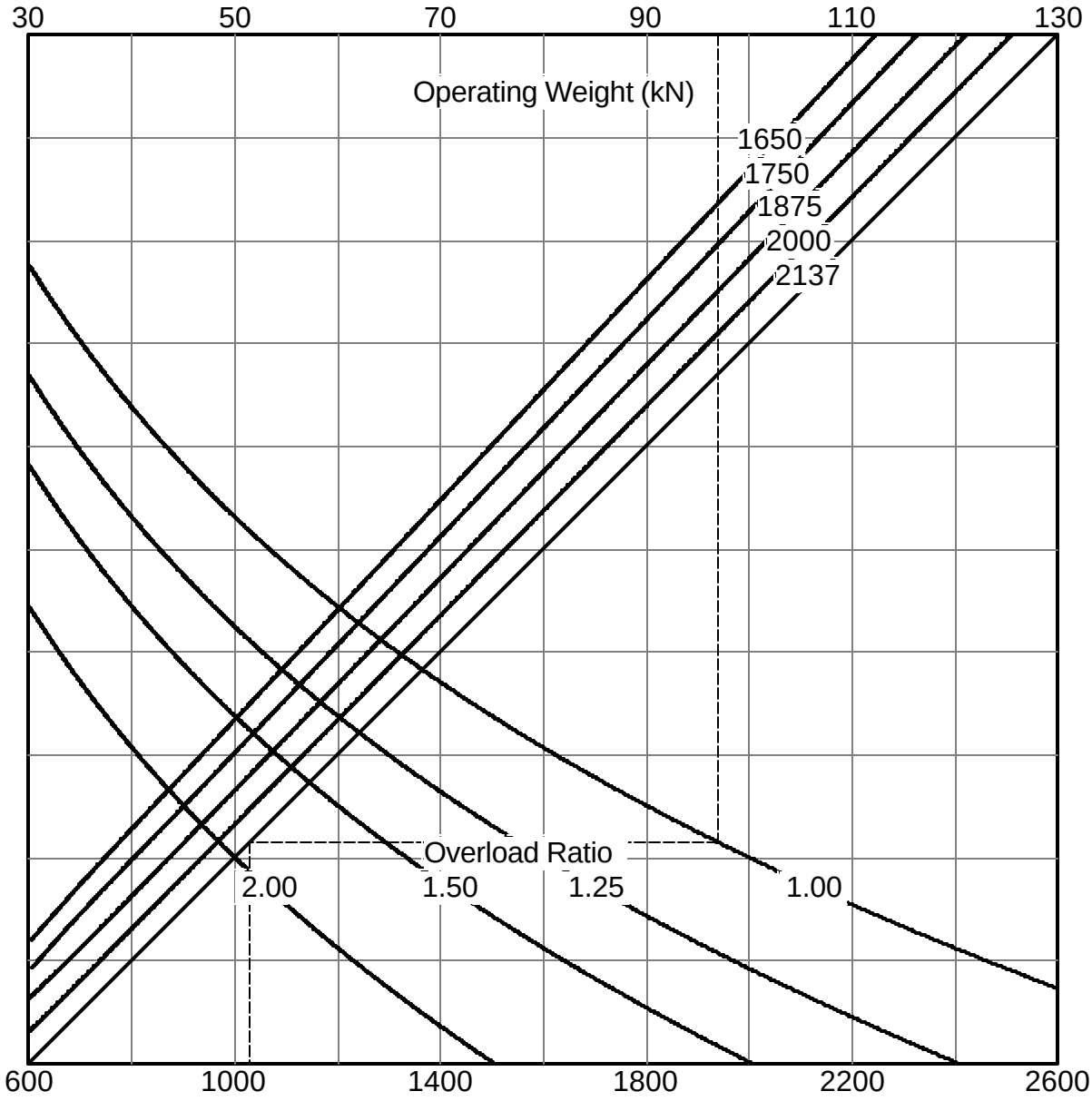
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



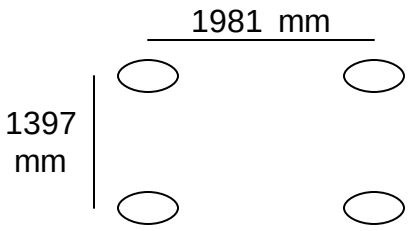
Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A330-200 (Configuration 1)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	
Tire Pressure (MPa) Pression des Pneus	1.34	

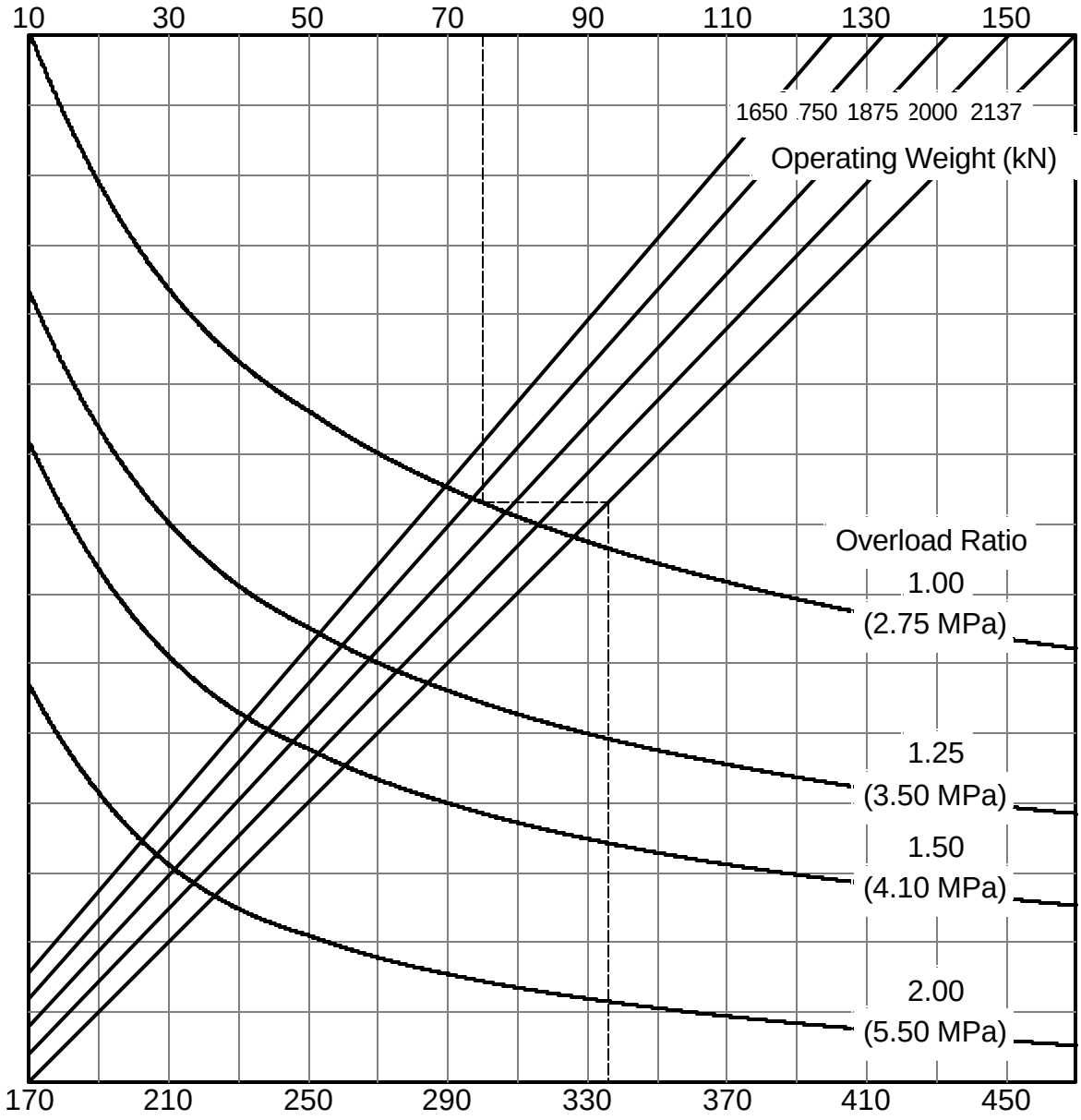
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A330-200 (Configuration 1)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	
Tire Pressure (MPa) Pression des Pneus	1.34	

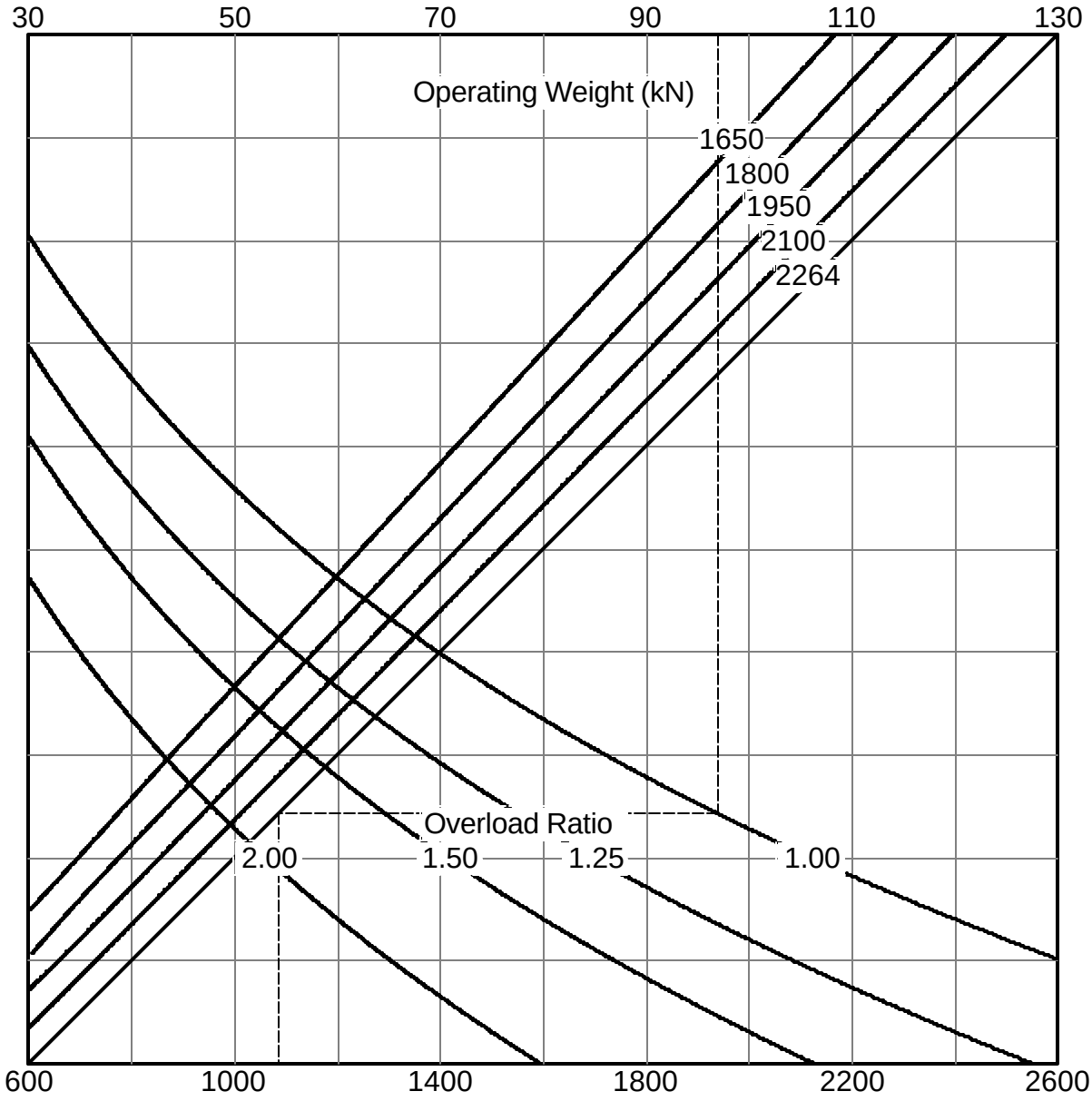
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



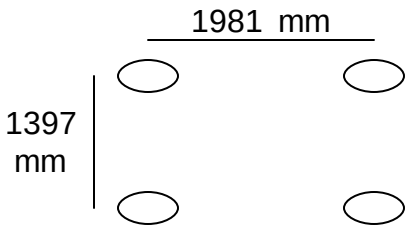
Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A330-200 (Configuration 2)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	1981 mm 1397 mm
Tire Pressure (MPa) Pression des Pneus	1.42	

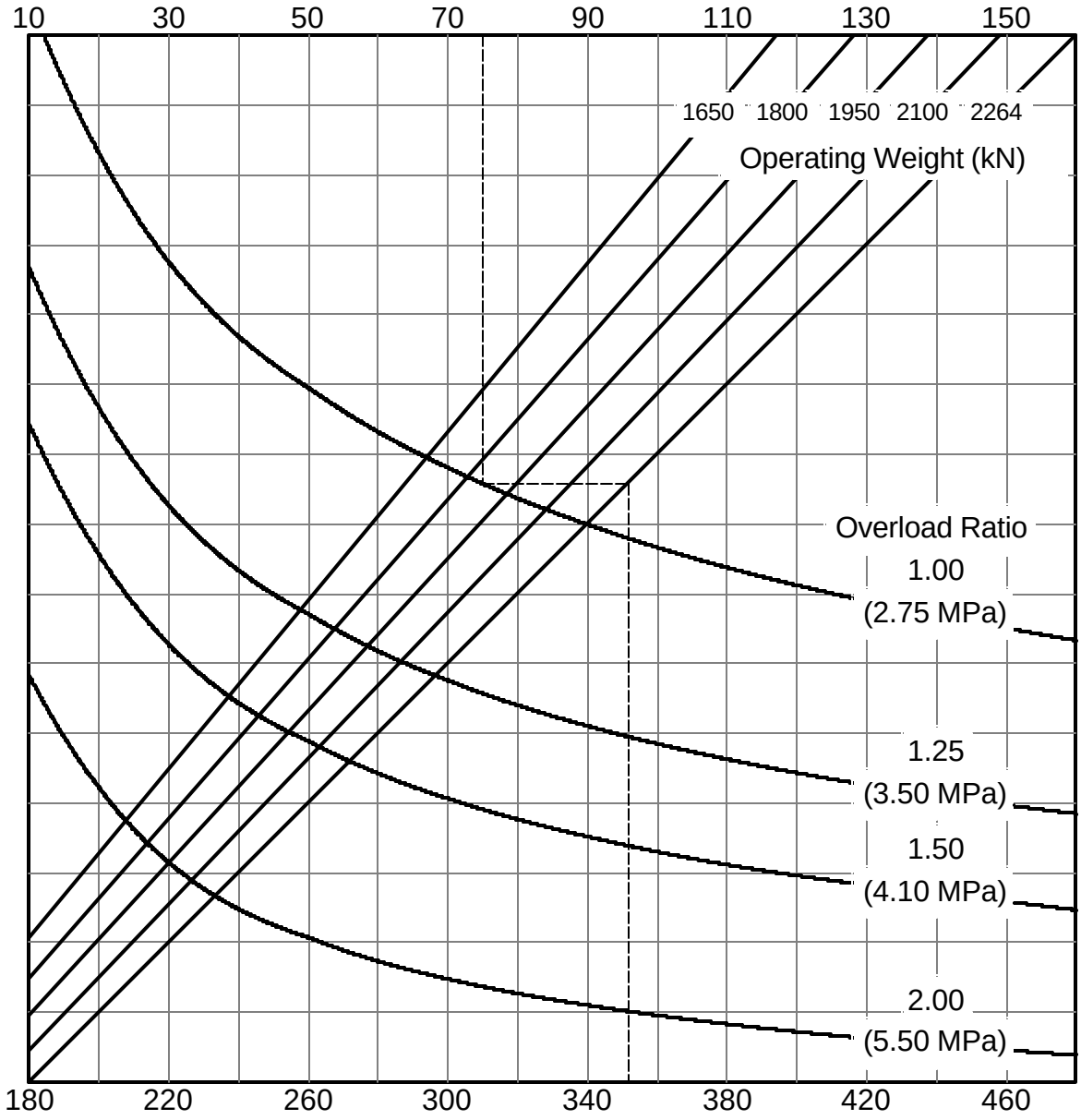
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



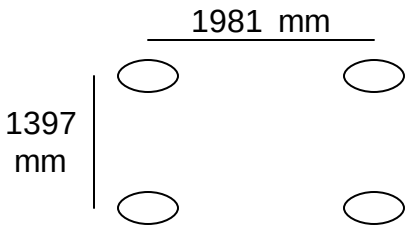
Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A330-200 (Configuration 2)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	
Tire Pressure (MPa) Pression des Pneus	1.42	

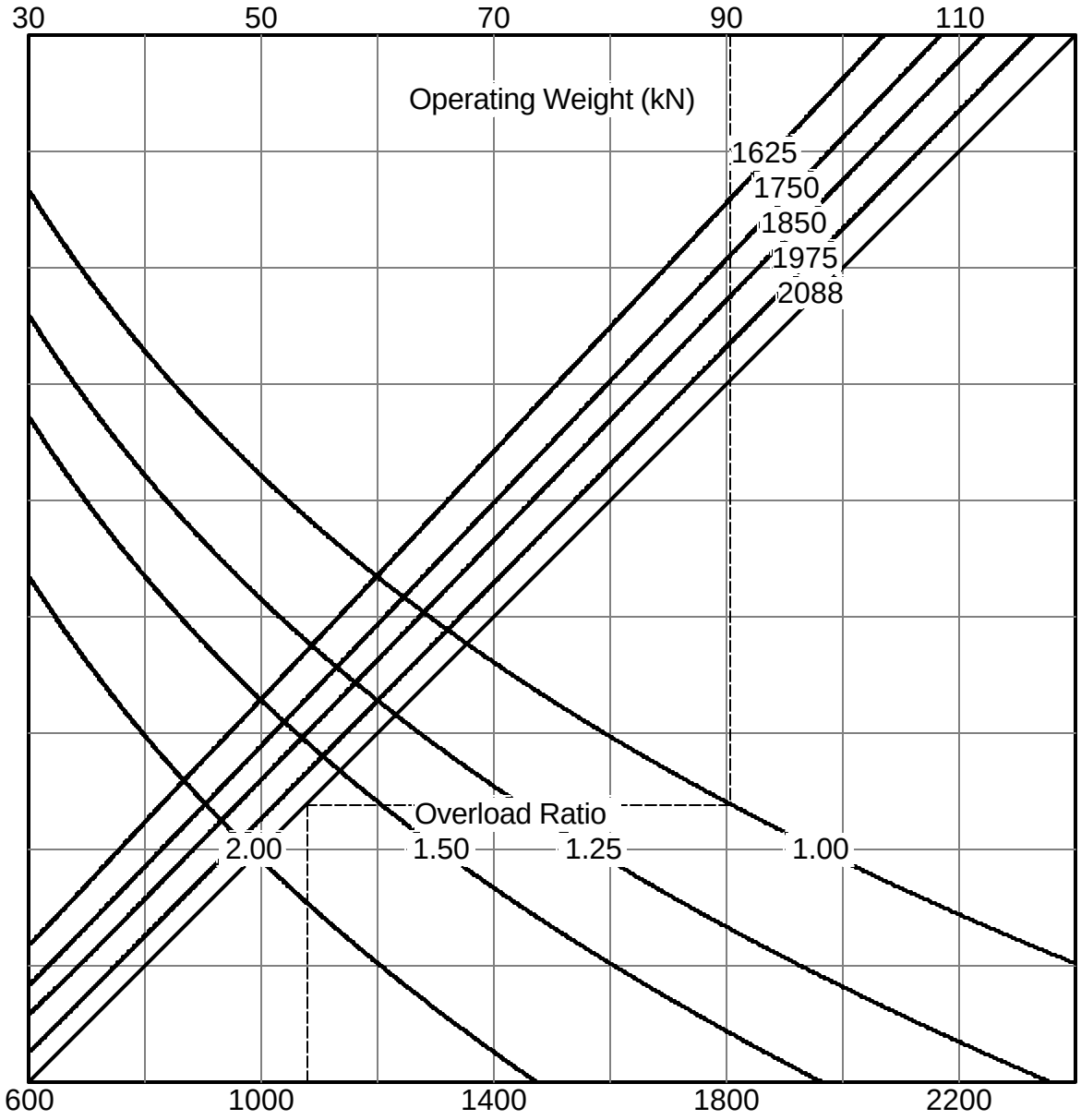
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



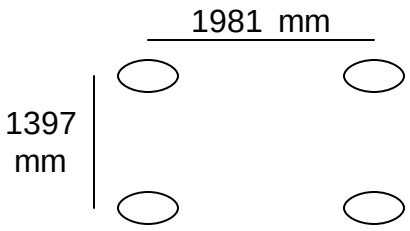
Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A330-300 (Configuration 1)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.6	
Tire Pressure (MPa) Pression des Pneus	1.31	

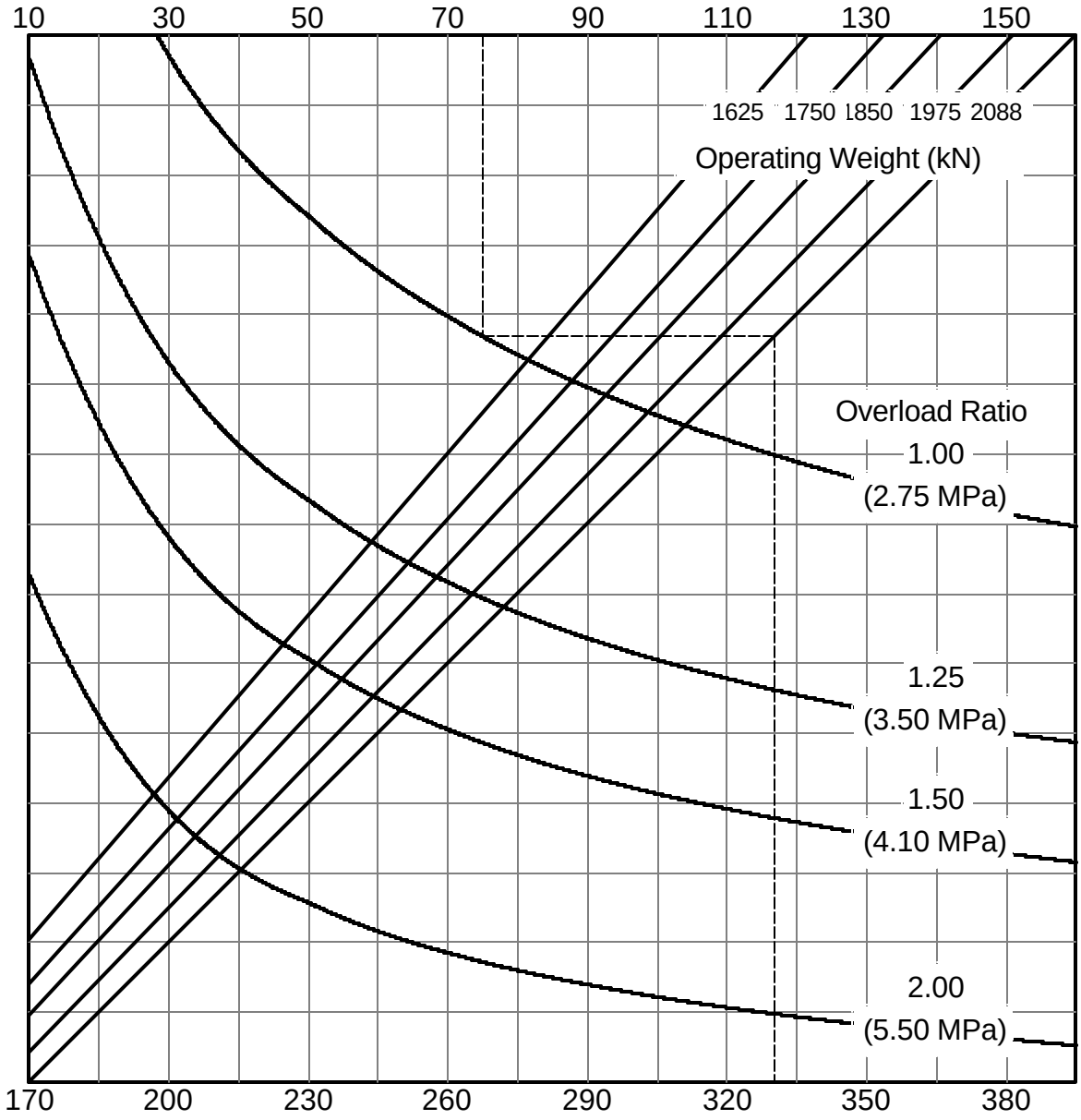
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A330-300 (Configuration 1)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.6	
Tire Pressure (MPa) Pression des Pneus	1.31	

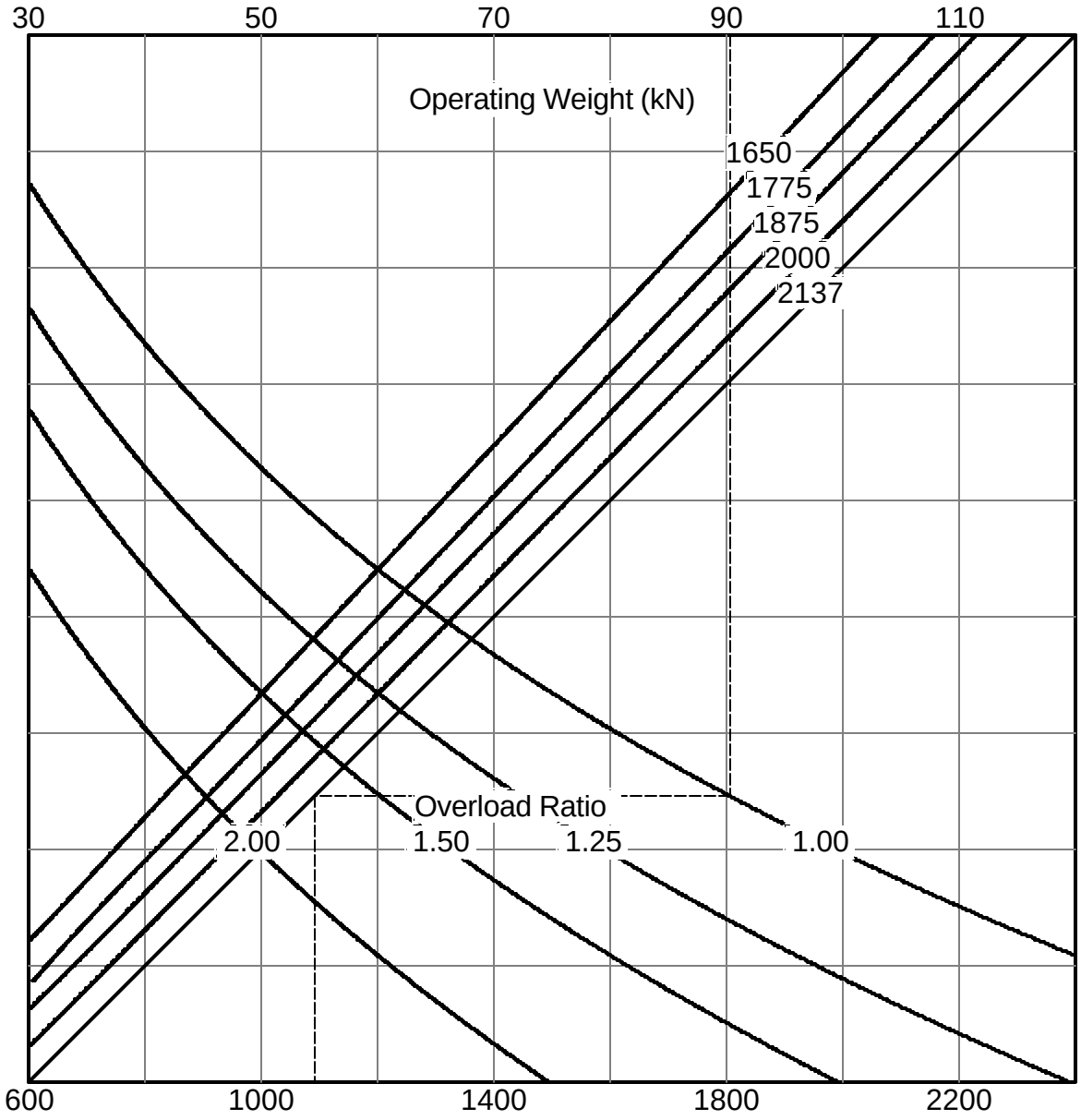
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



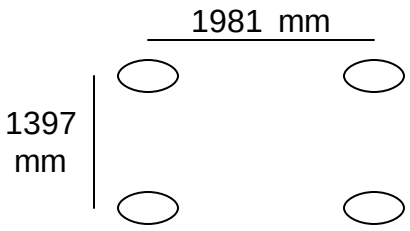
Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A330-300 (Configuration 2)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.1	1981 mm 1397 mm
Tire Pressure (MPa) Pression des Pneus	1.33	

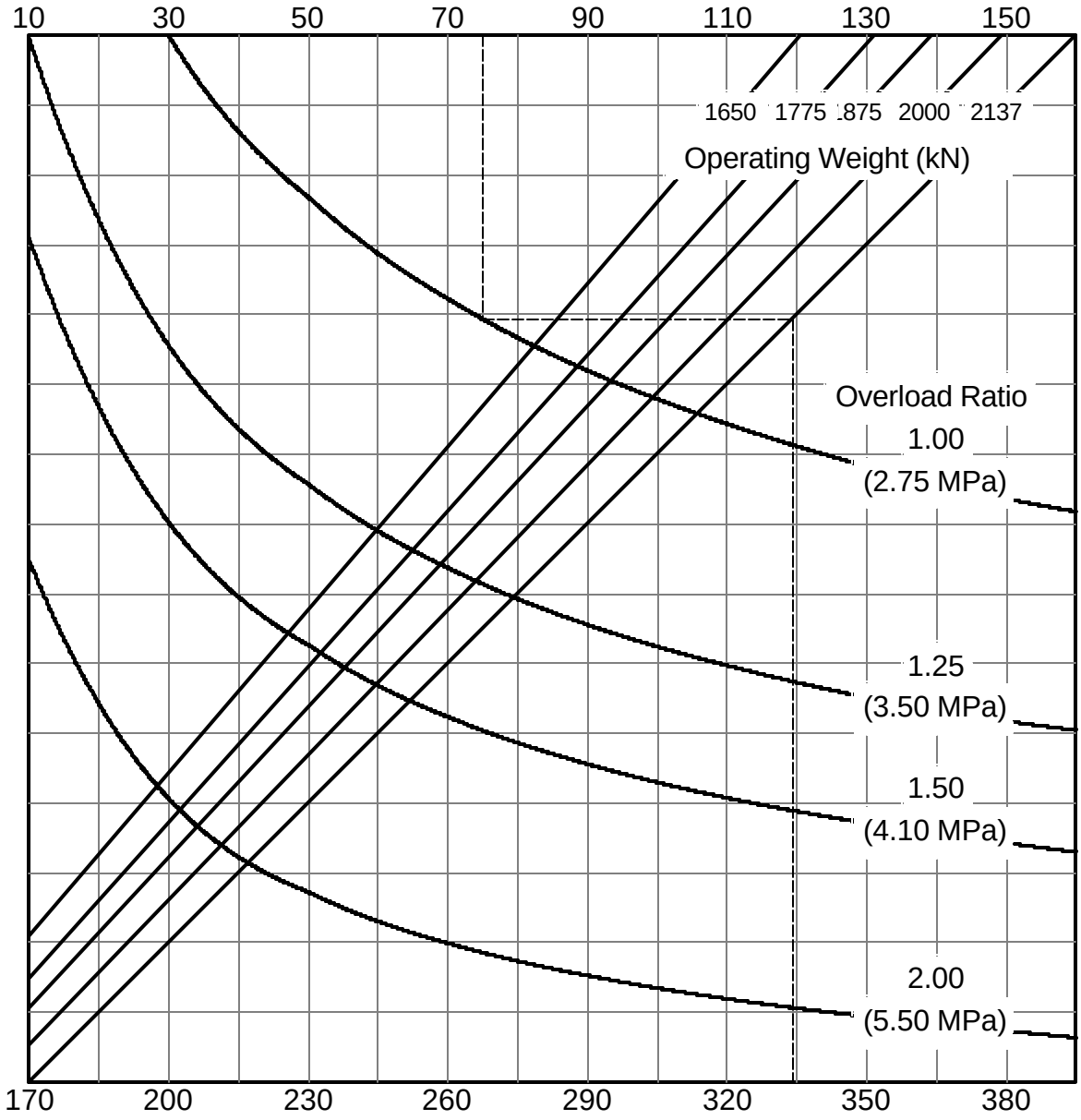
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A330-300 (Configuration 2)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.1	
Tire Pressure (MPa) Pression des Pneus	1.33	

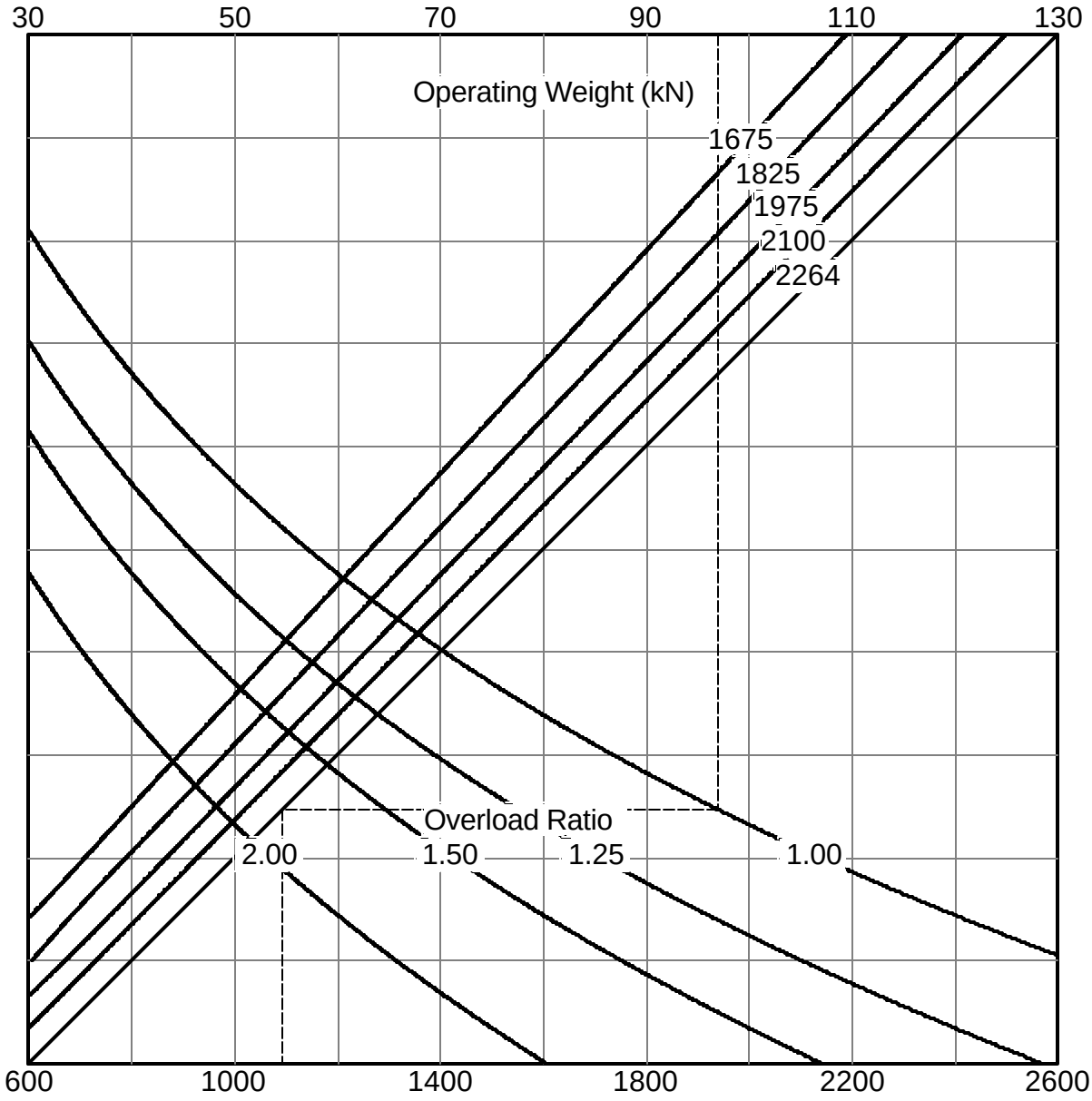
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



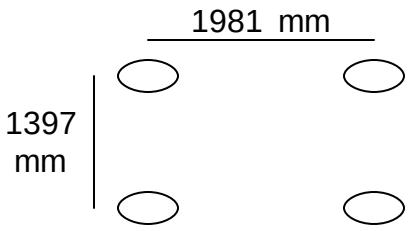
Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A330-300 (Configuration 3)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.9	1981 mm 1397 mm
Tire Pressure (MPa) Pression des Pneus	1.42	

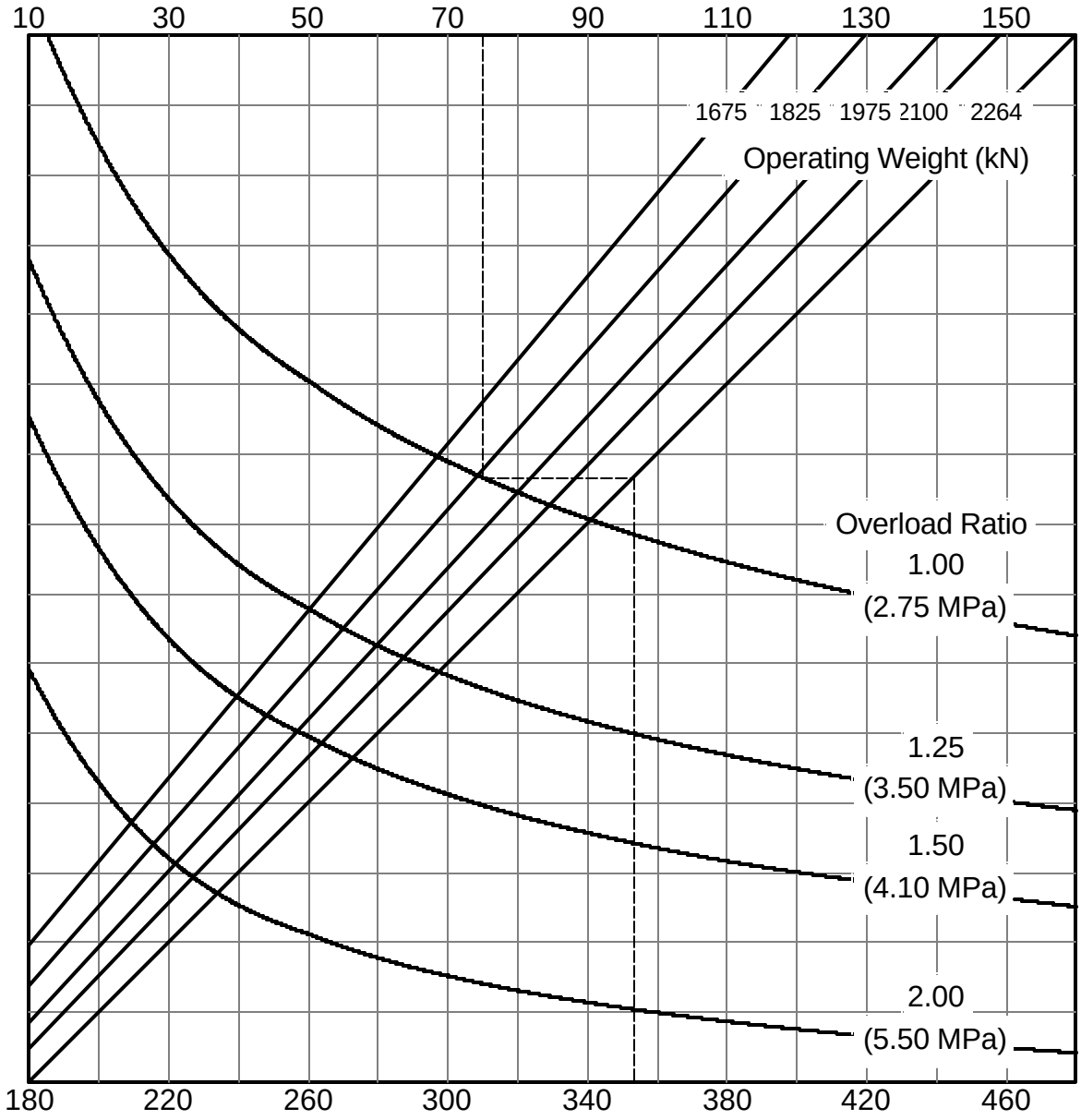
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A330-300 (Configuration 3)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.9	
Tire Pressure (MPa) Pression des Pneus	1.42	

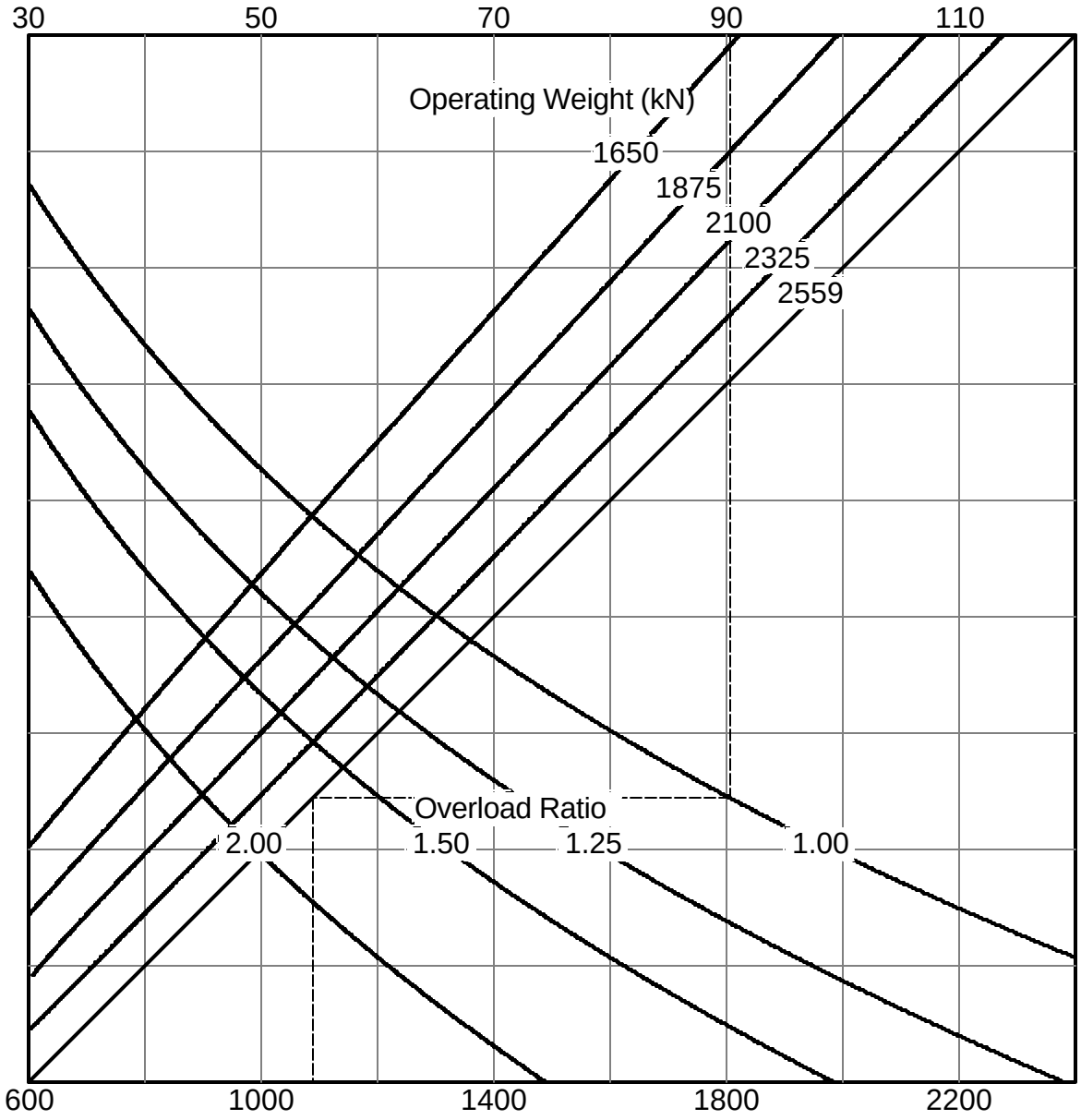
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



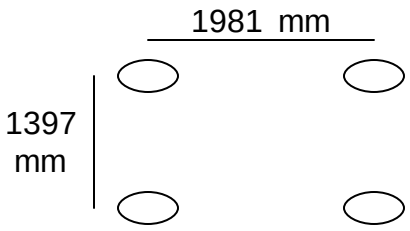
Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A340-200 (Configuration 1)
% Load on Main Gear % Poids sur Atterrisseur Principal	39.2	1981 mm 1397 mm
Tire Pressure (MPa) Pression des Pneus	1.32	

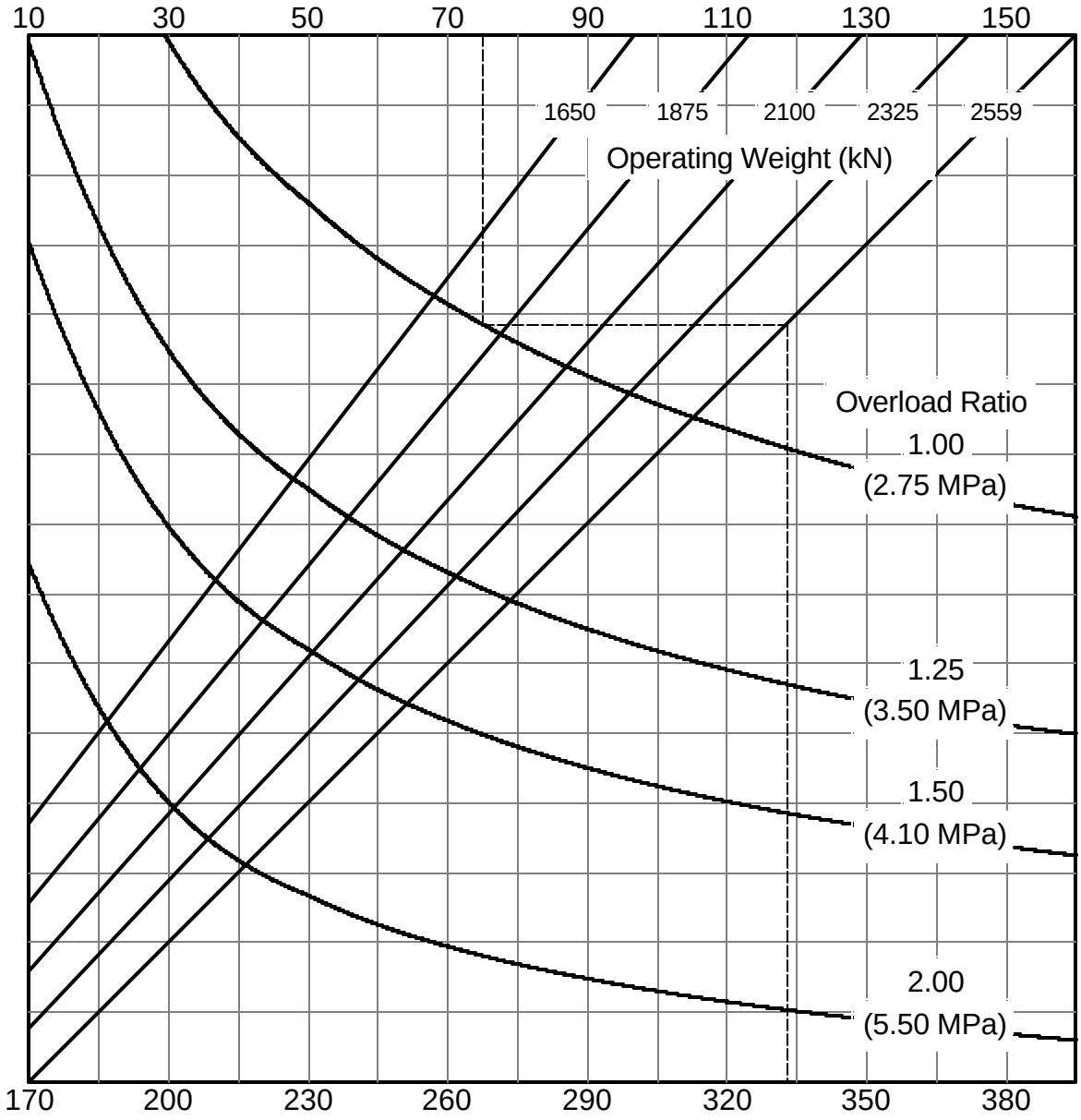
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A340-200 (Configuration 1)
% Load on Main Gear % Poids sur Atterrisseur Principal	39.2	
Tire Pressure (MPa) Pression des Pneus	1.32	

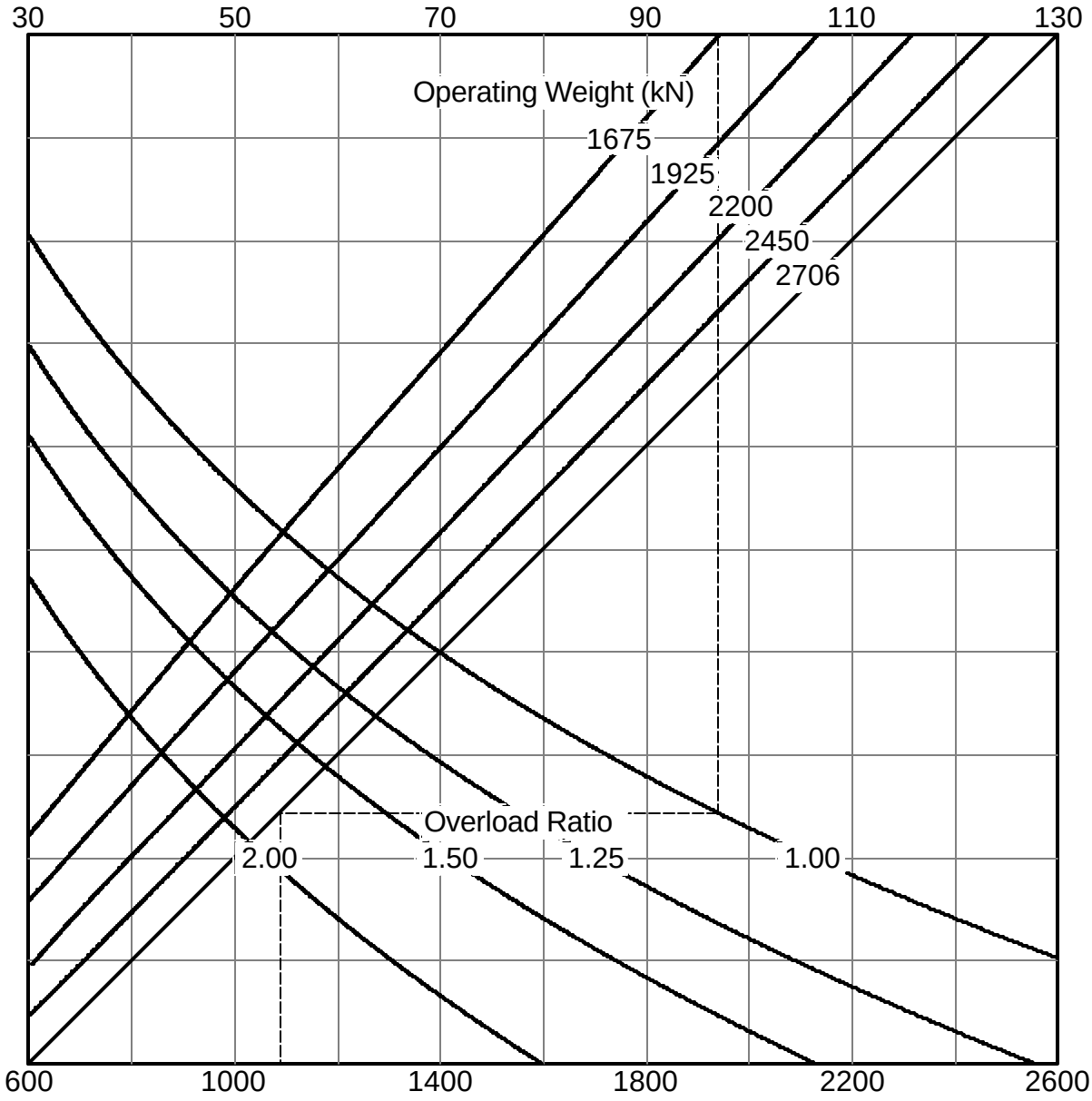
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



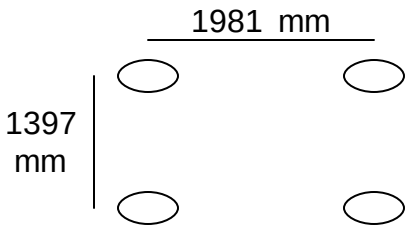
Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A340-200 (Configuration 2)
% Load on Main Gear % Poids sur Atterrisseur Principal	39.8	1981 mm 1397 mm
Tire Pressure (MPa) Pression des Pneus	1.42	

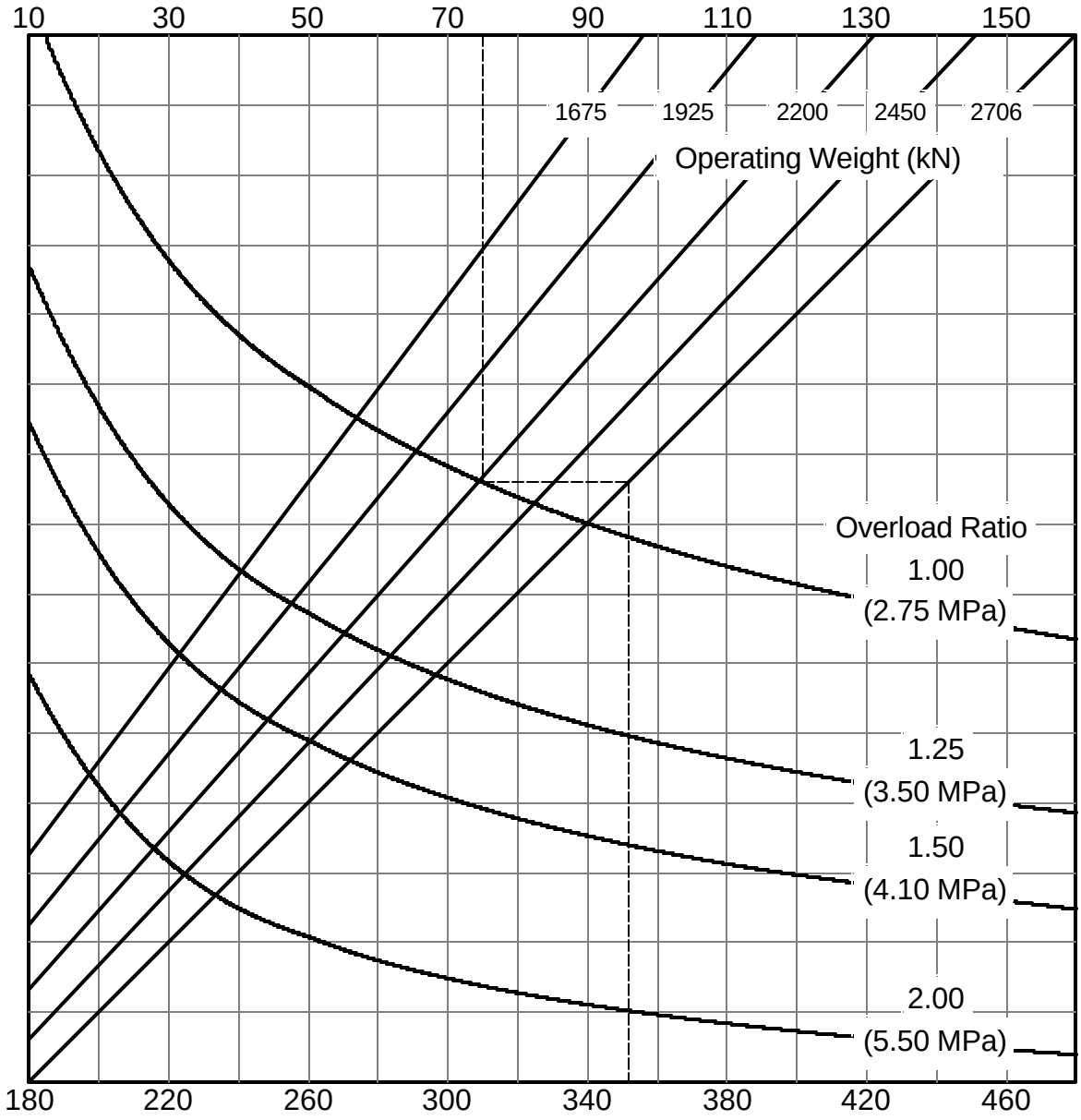
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



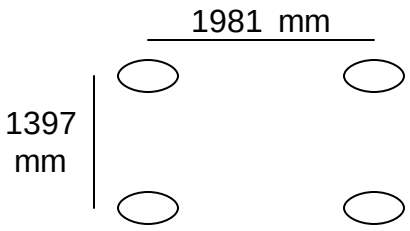
Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A340-200 (Configuration 2)
% Load on Main Gear % Poids sur Atterrisseur Principal	39.8	
Tire Pressure (MPa) Pression des Pneus	1.42	

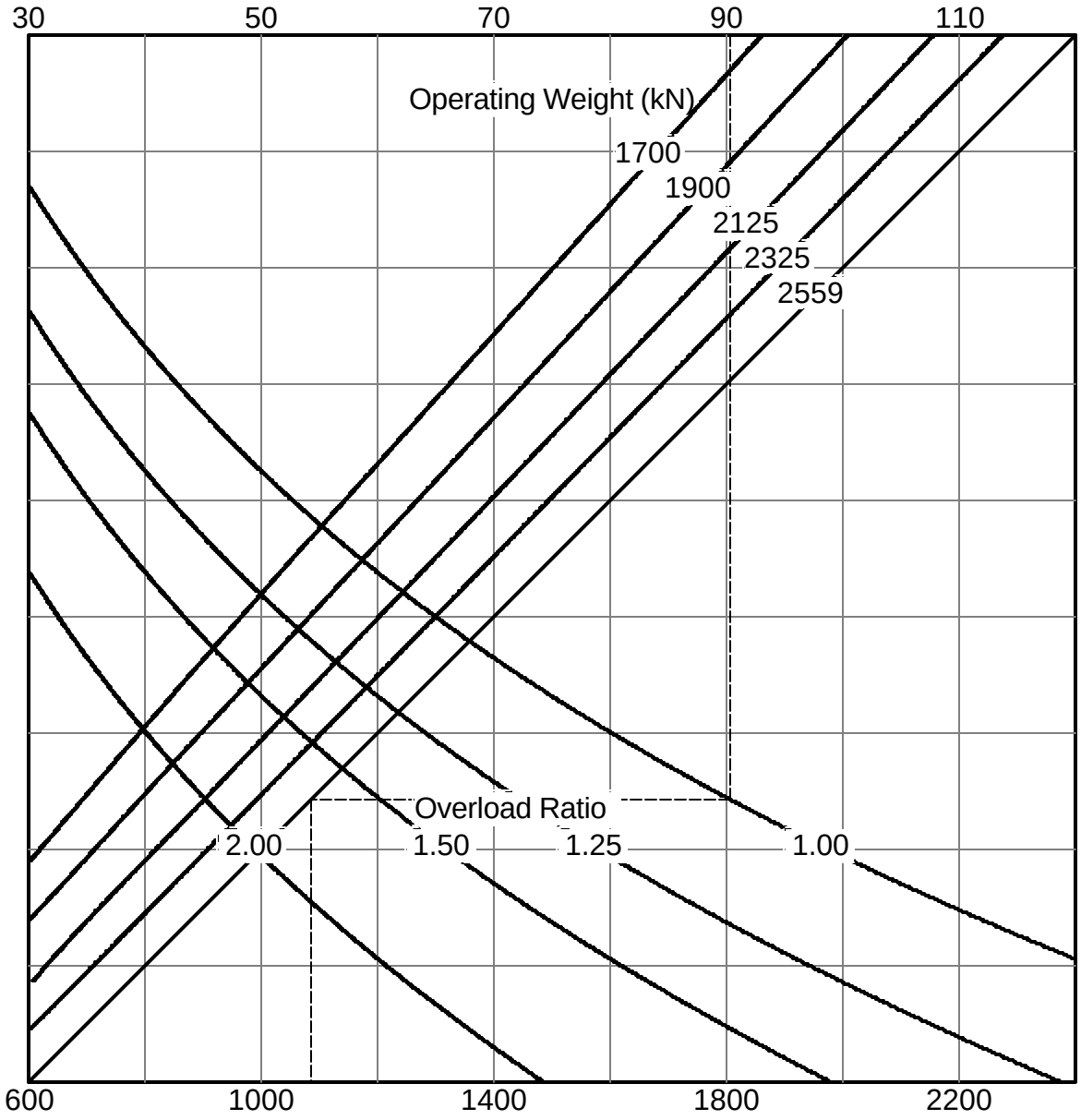
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



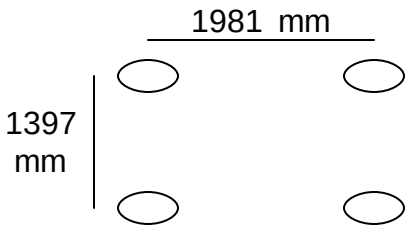
Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A340-300 (Configuration 1)
% Load on Main Gear % Poids sur Atterrisseur Principal	39.1	
Tire Pressure (MPa) Pression des Pneus	1.32	

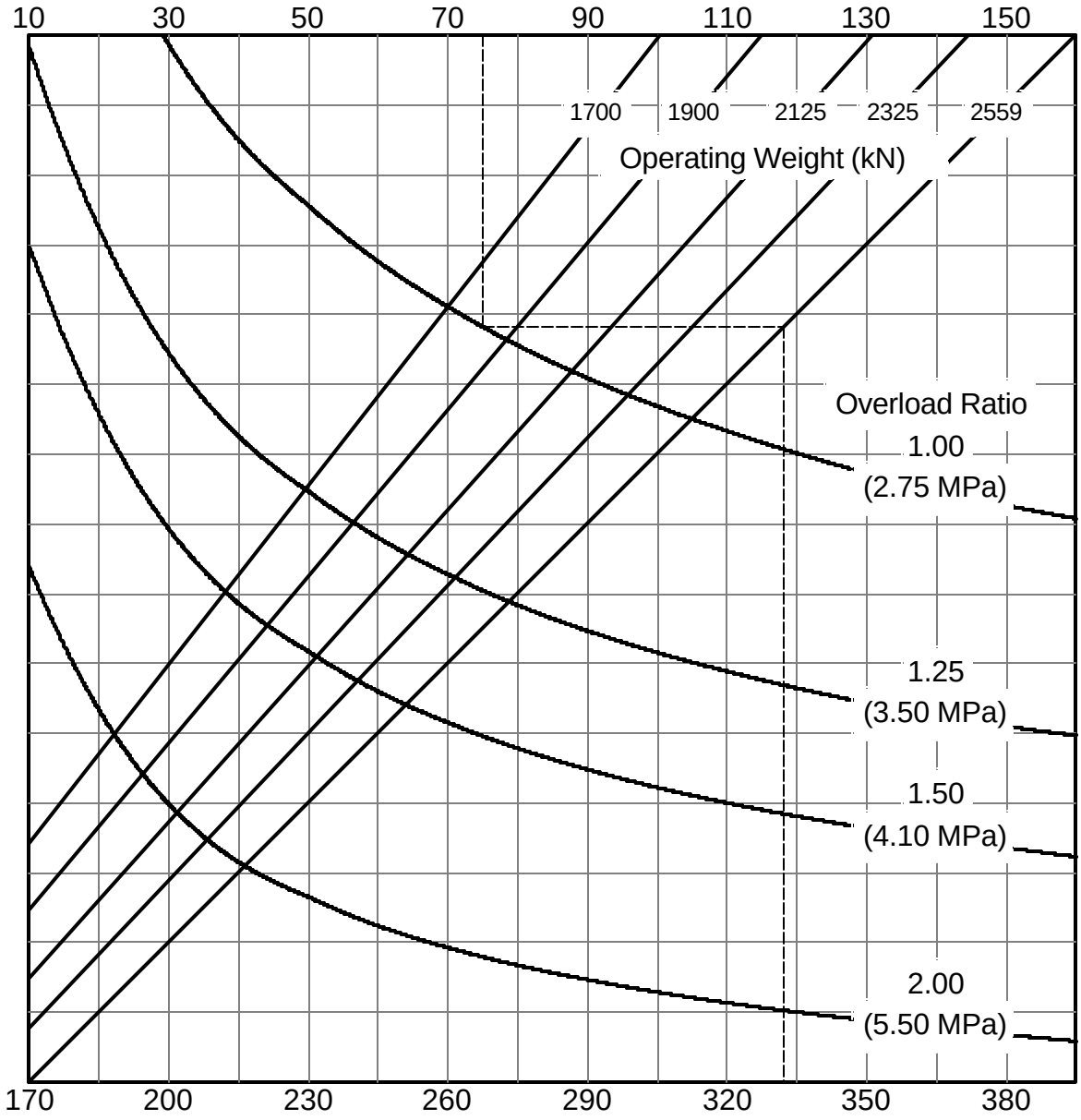
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



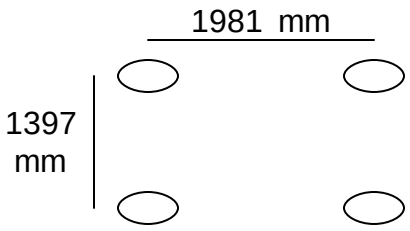
Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A340-300 (Configuration 1)
% Load on Main Gear % Poids sur Atterrisseur Principal	39.1	
Tire Pressure (MPa) Pression des Pneus	1.32	

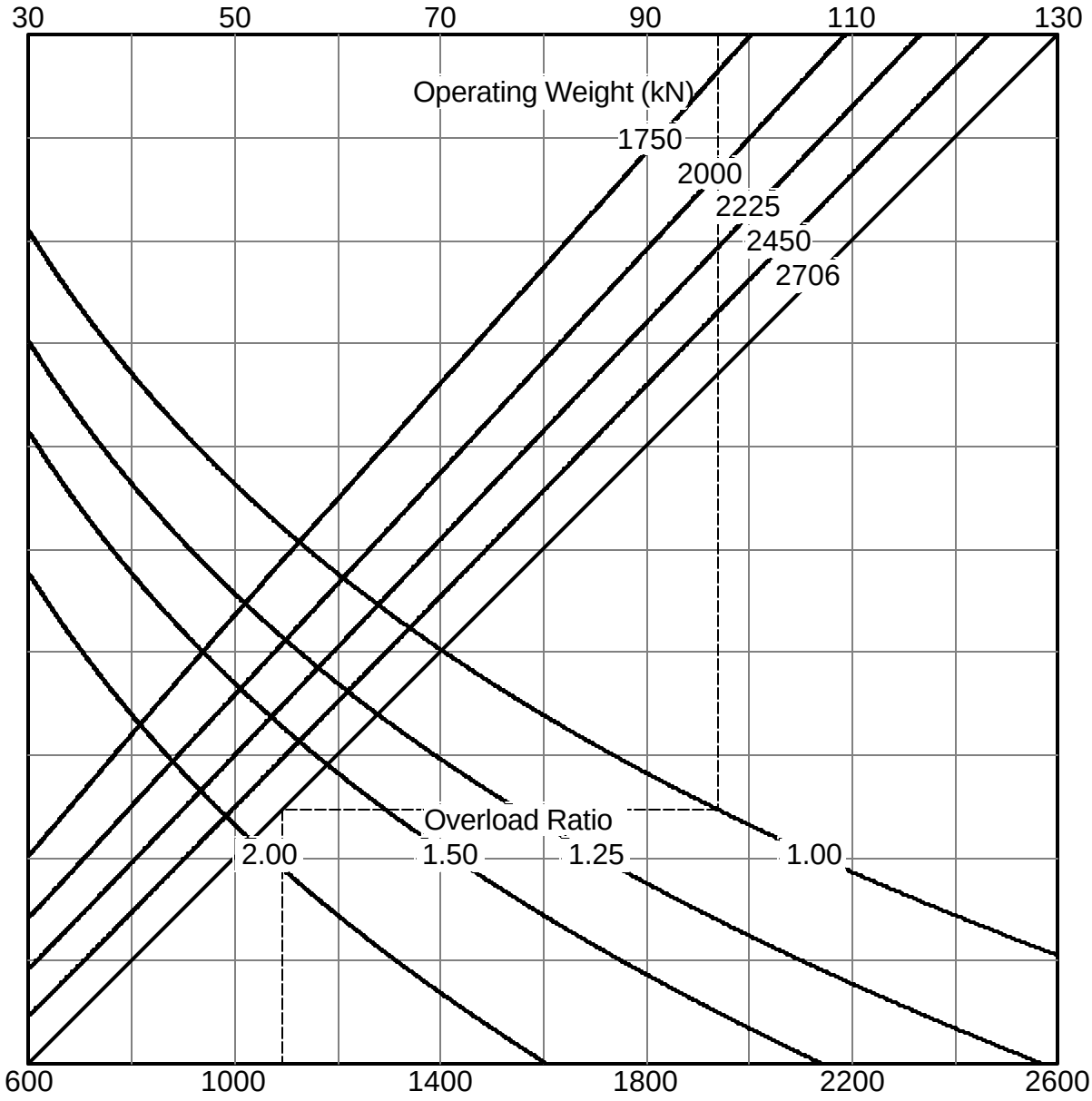
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



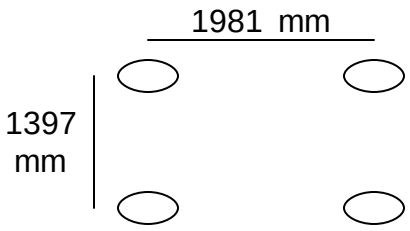
Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A340-300 (Configuration 2)
% Load on Main Gear % Poids sur Atterrisseur Principal	40.1	
Tire Pressure (MPa) Pression des Pneus	1.42	

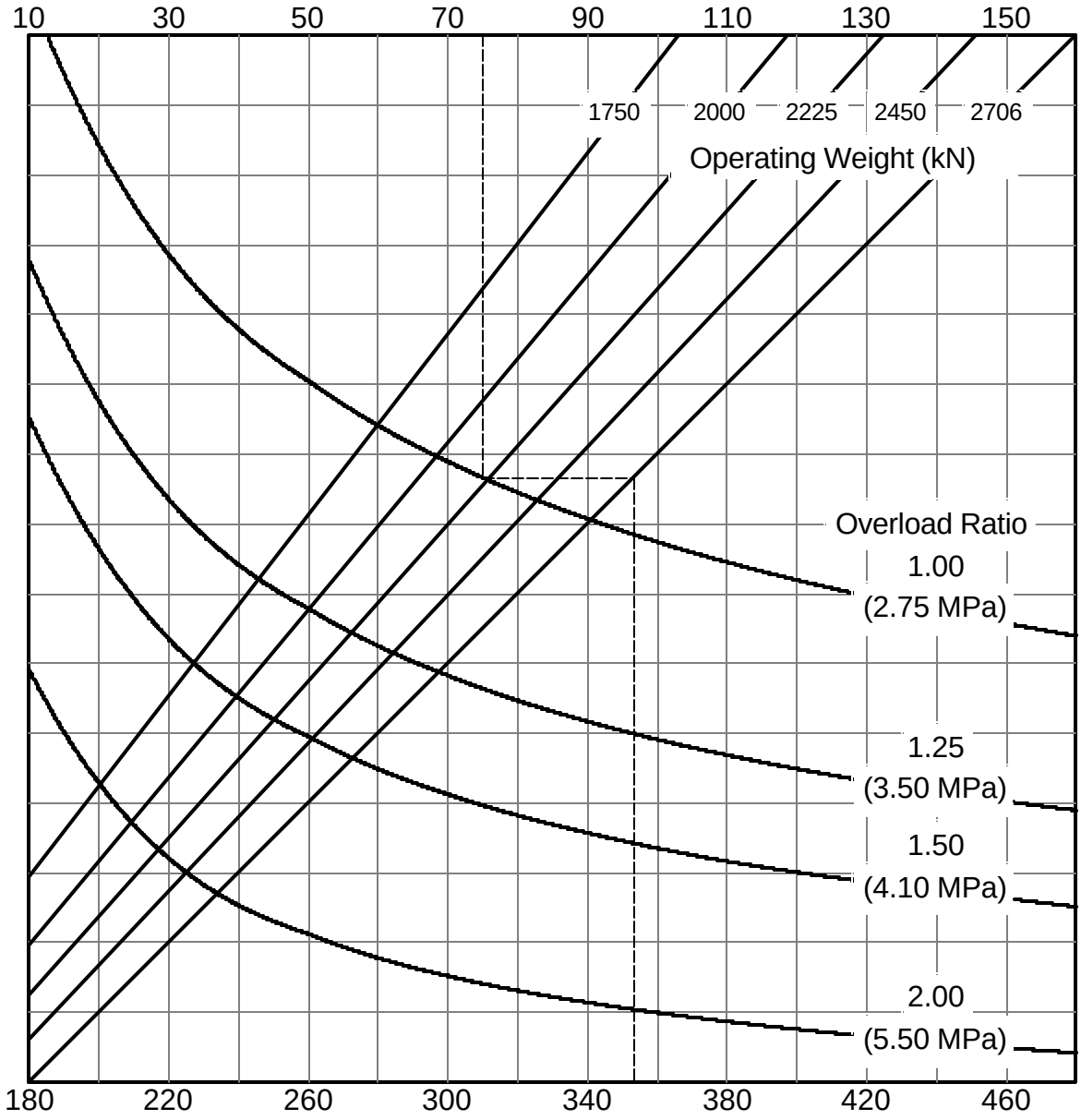
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A340-300 (Configuration 2)
% Load on Main Gear % Poids sur Atterrisseur Principal	40.1	
Tire Pressure (MPa) Pression des Pneus	1.42	

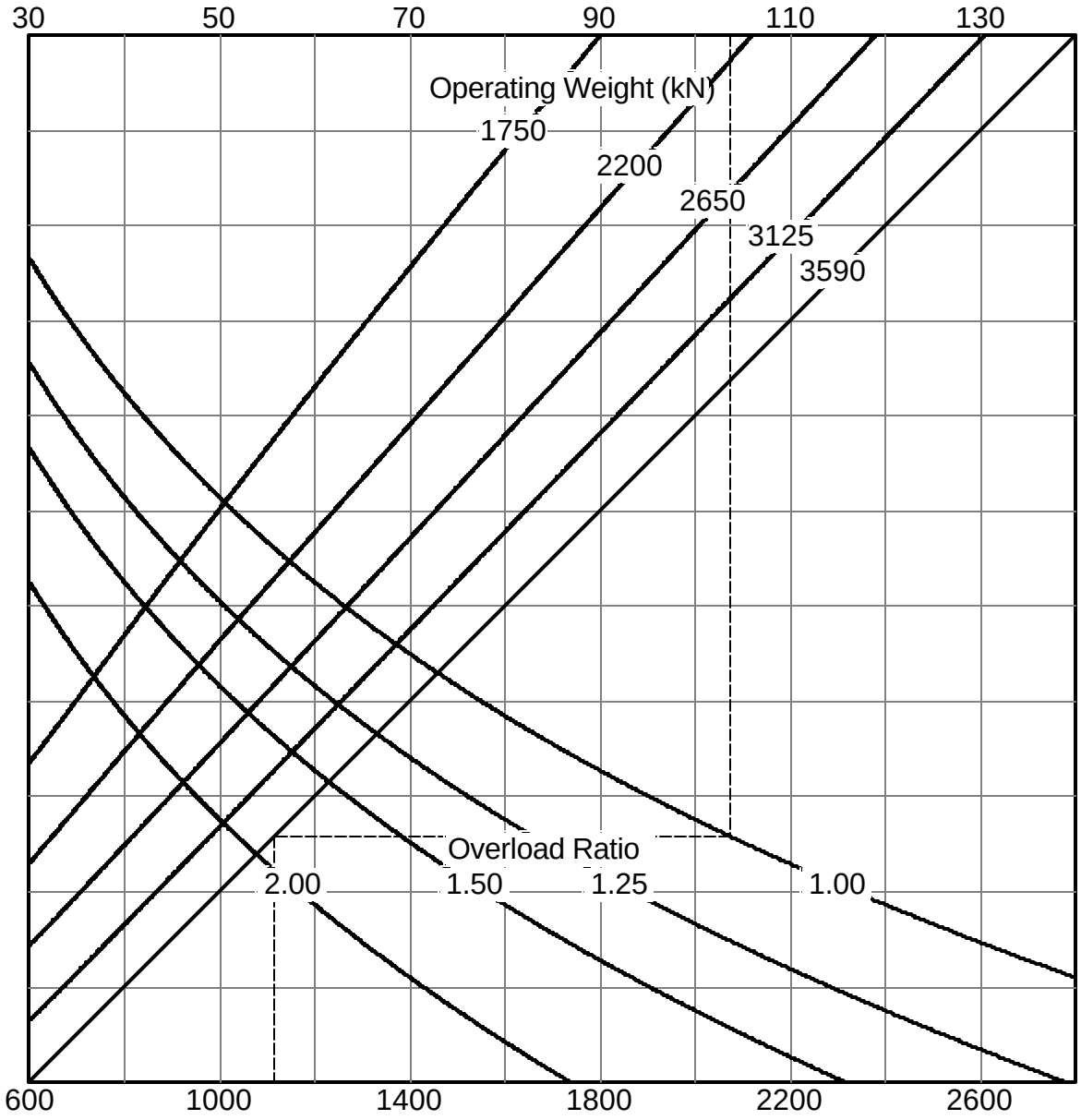
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A340-500, 600
% Load on Main Gear % Poids sur Atterrisseur Principal	33.0	1980 mm 1400 mm
Tire Pressure (MPa) Pression des Pneus	1.42	

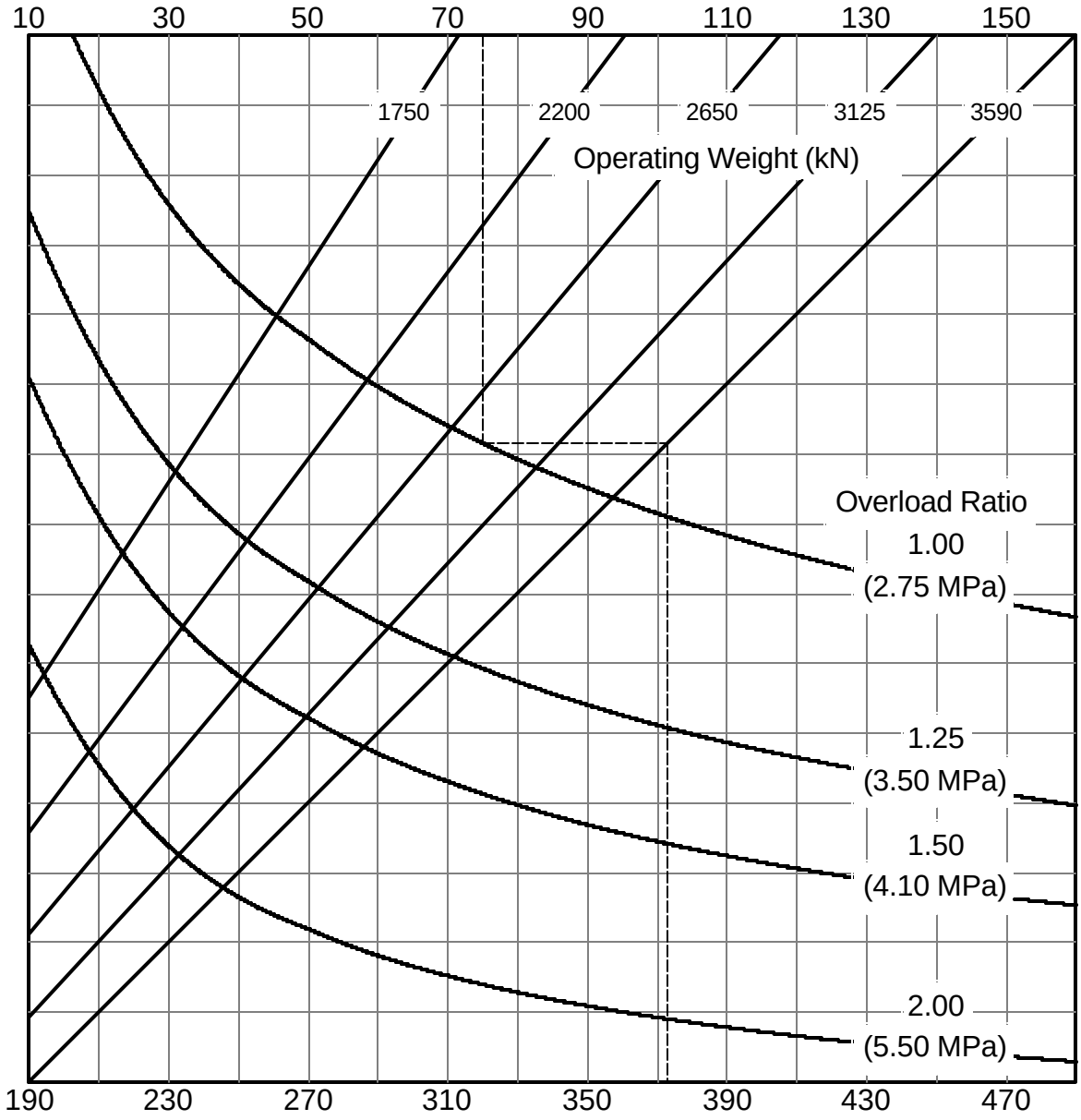
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



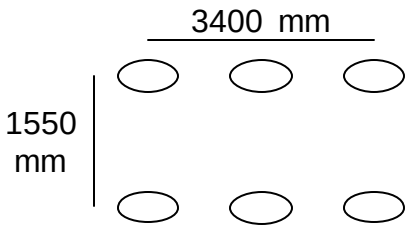
Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A340-500, 600
% Load on Main Gear % Poids sur Atterrisseur Principal	33.0	1980 mm 1400 mm
Tire Pressure (MPa) Pression des Pneus	1.42	

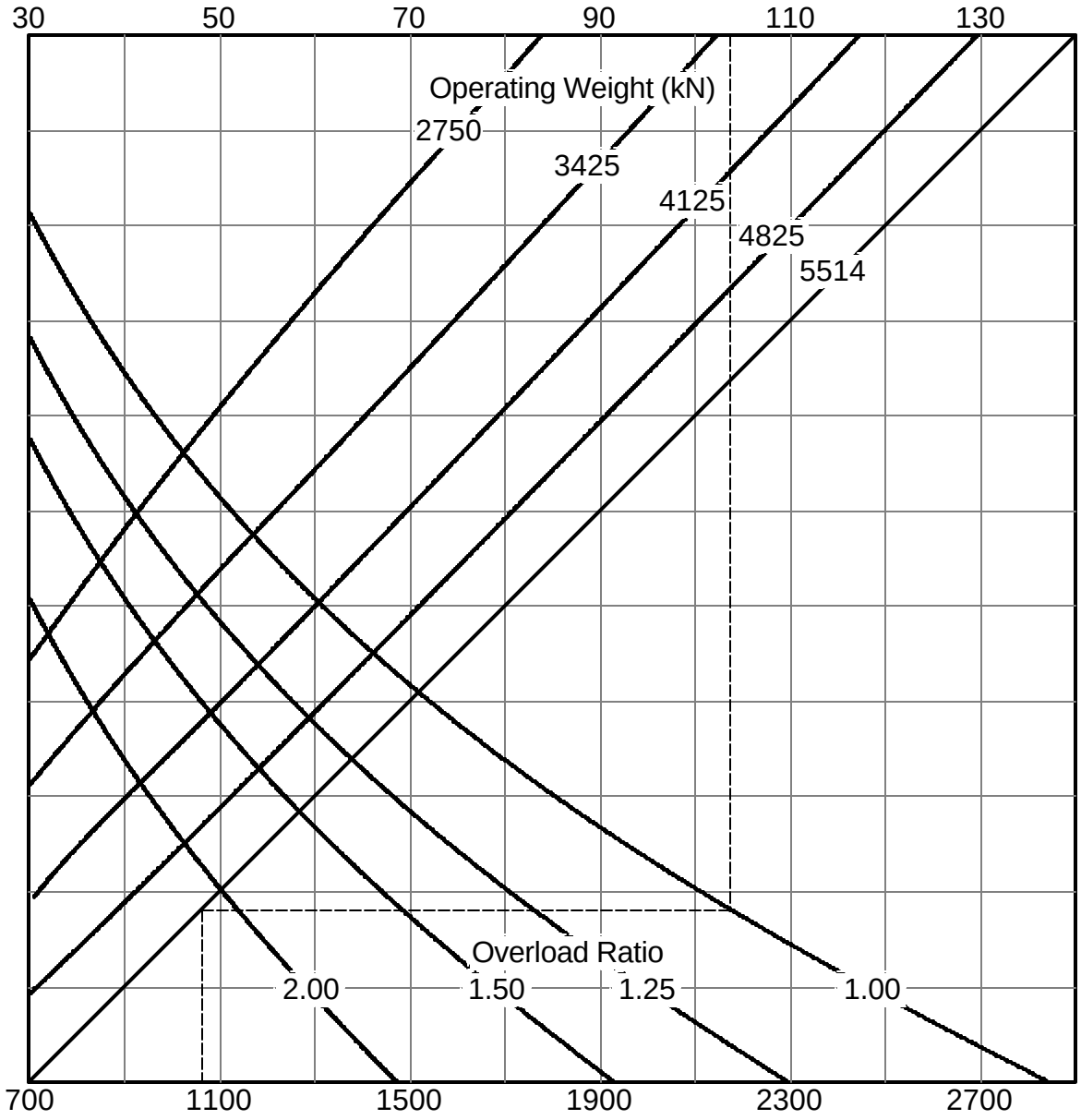
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



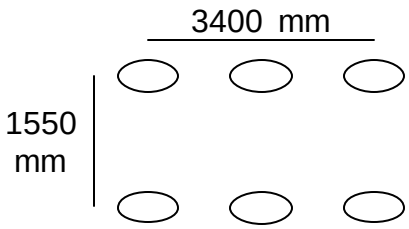
Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A380-800 (Main Gear)
% Load on Main Gear % Poids sur Atterrisseur Principal	28.5	
Tire Pressure (MPa) Pression des Pneus	1.47	

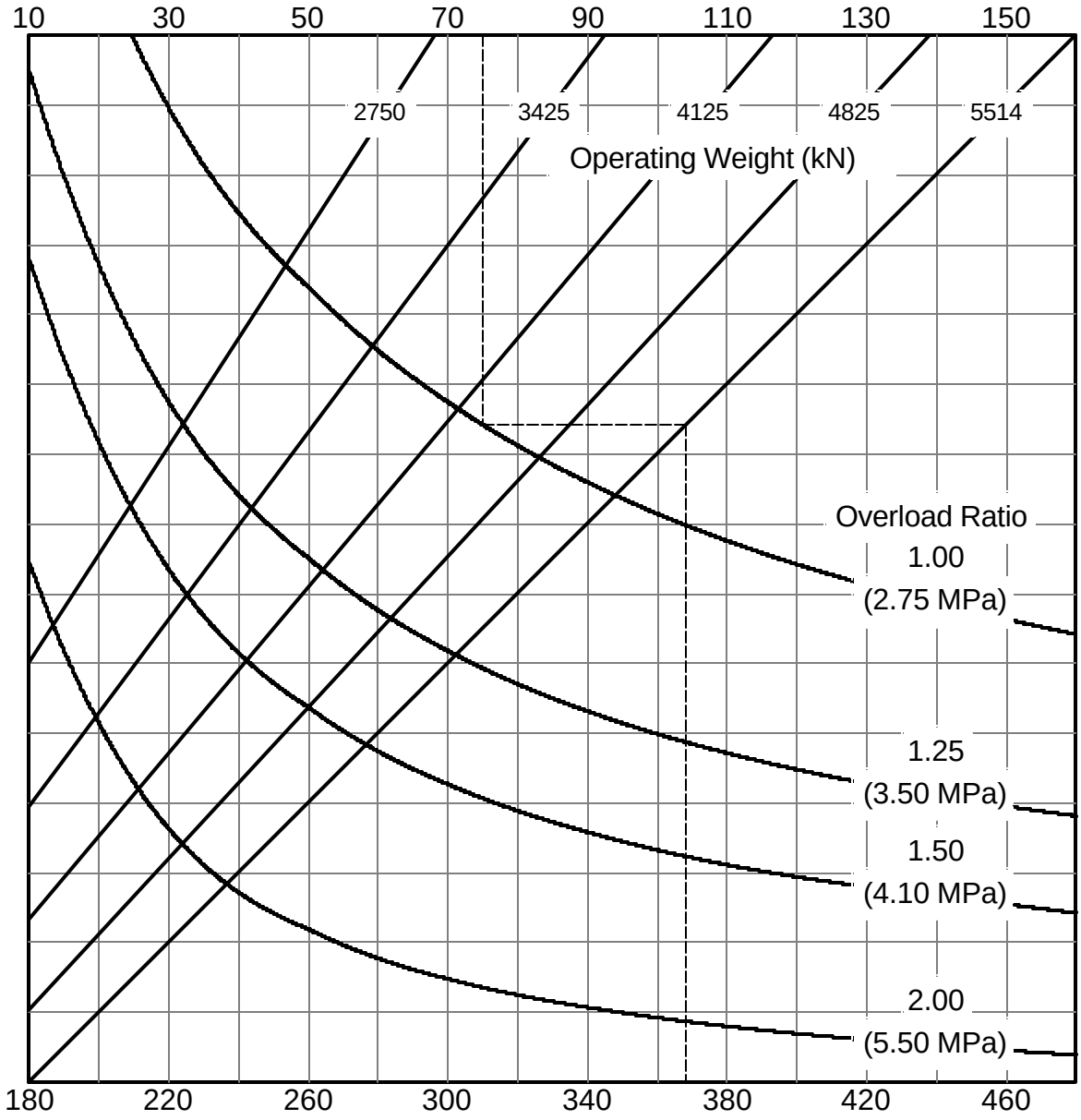
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



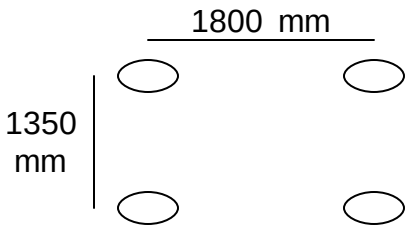
Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A380-800 (Main Gear)
% Load on Main Gear % Poids sur Atterrisseur Principal	28.5	
Tire Pressure (MPa) Pression des Pneus	1.47	

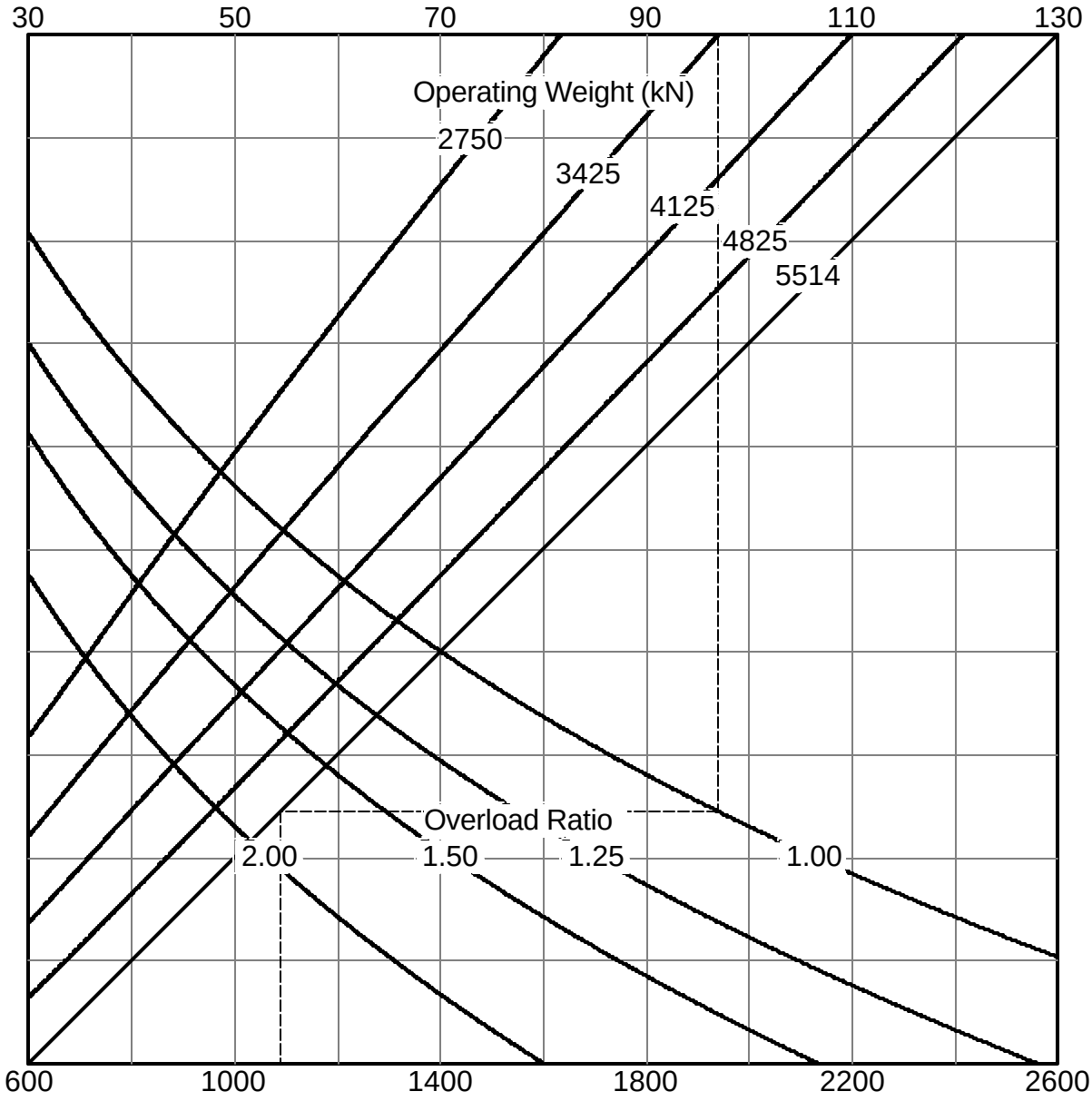
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



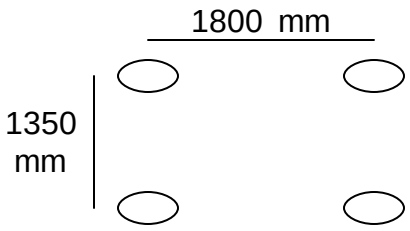
Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		A380-800 (Wing Gear)
% Load on Main Gear % Poids sur Atterrisseur Principal	19.0	
Tire Pressure (MPa) Pression des Pneus	1.47	

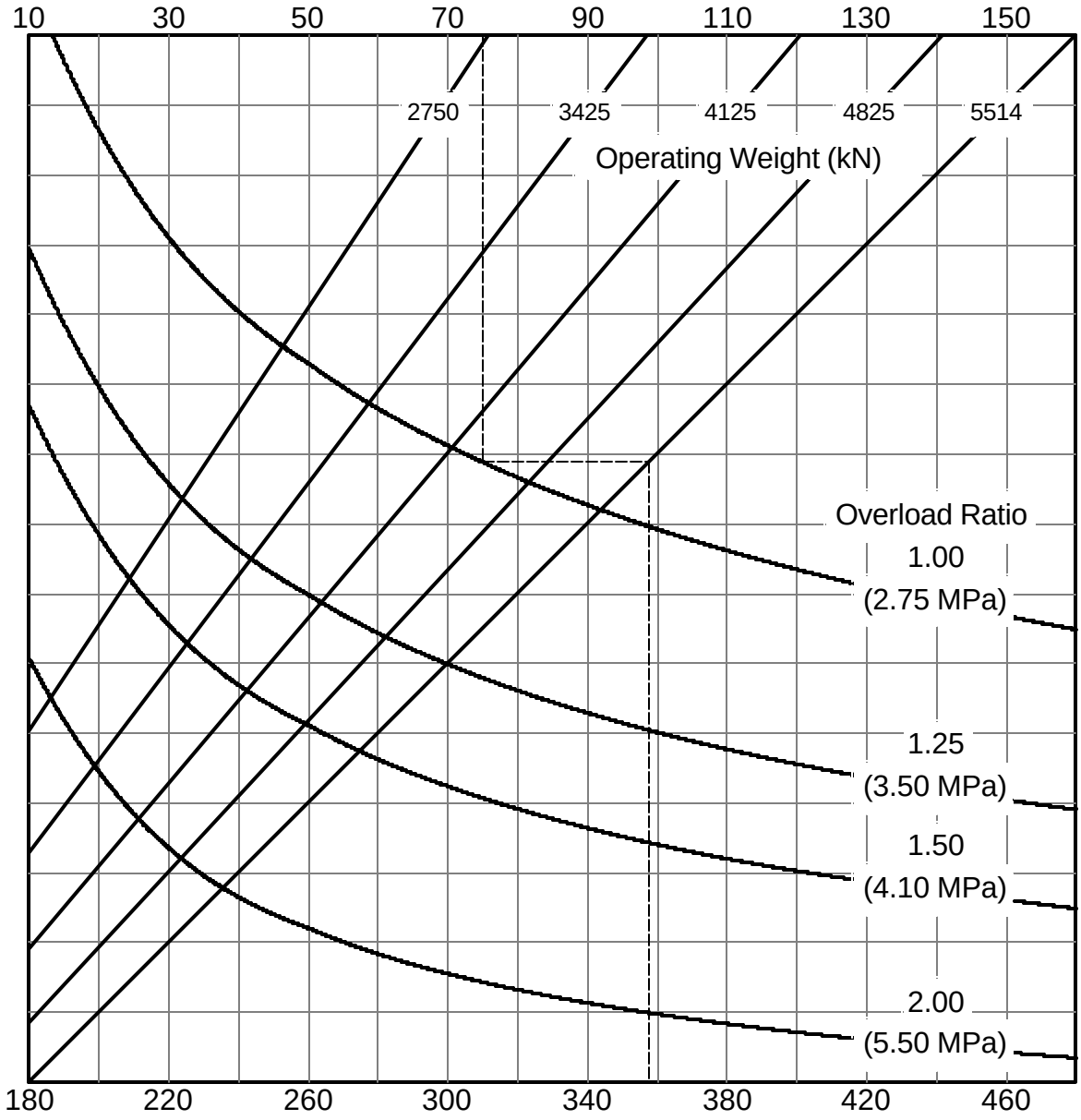
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		A380-800 (Wing Gear)
% Load on Main Gear % Poids sur Atterrisseur Principal	19.0	
Tire Pressure (MPa) Pression des Pneus	1.47	

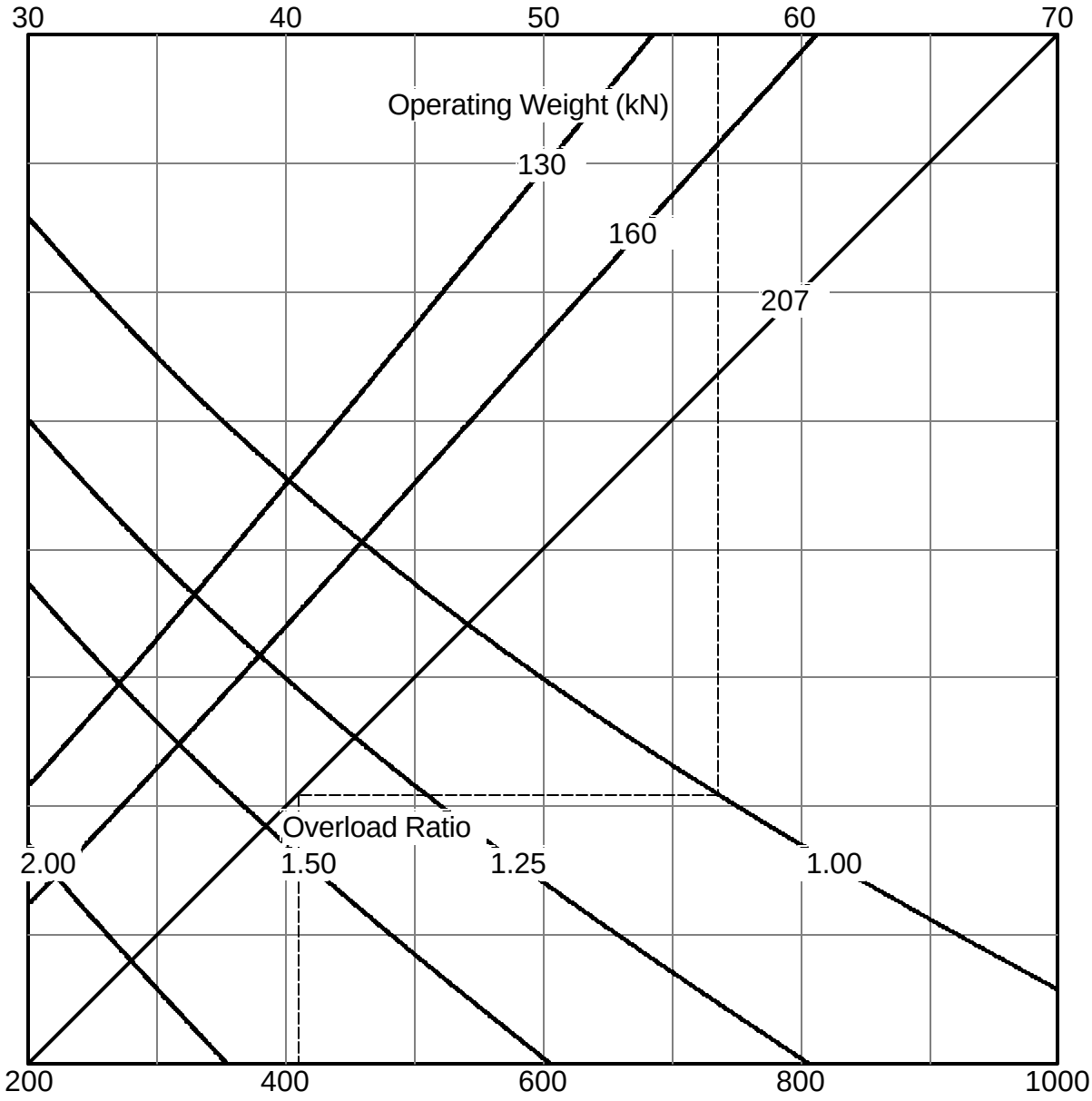
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		Antonov AN-24
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	580 mm
Tire Pressure (MPa) Pression des Pneus	0.42	

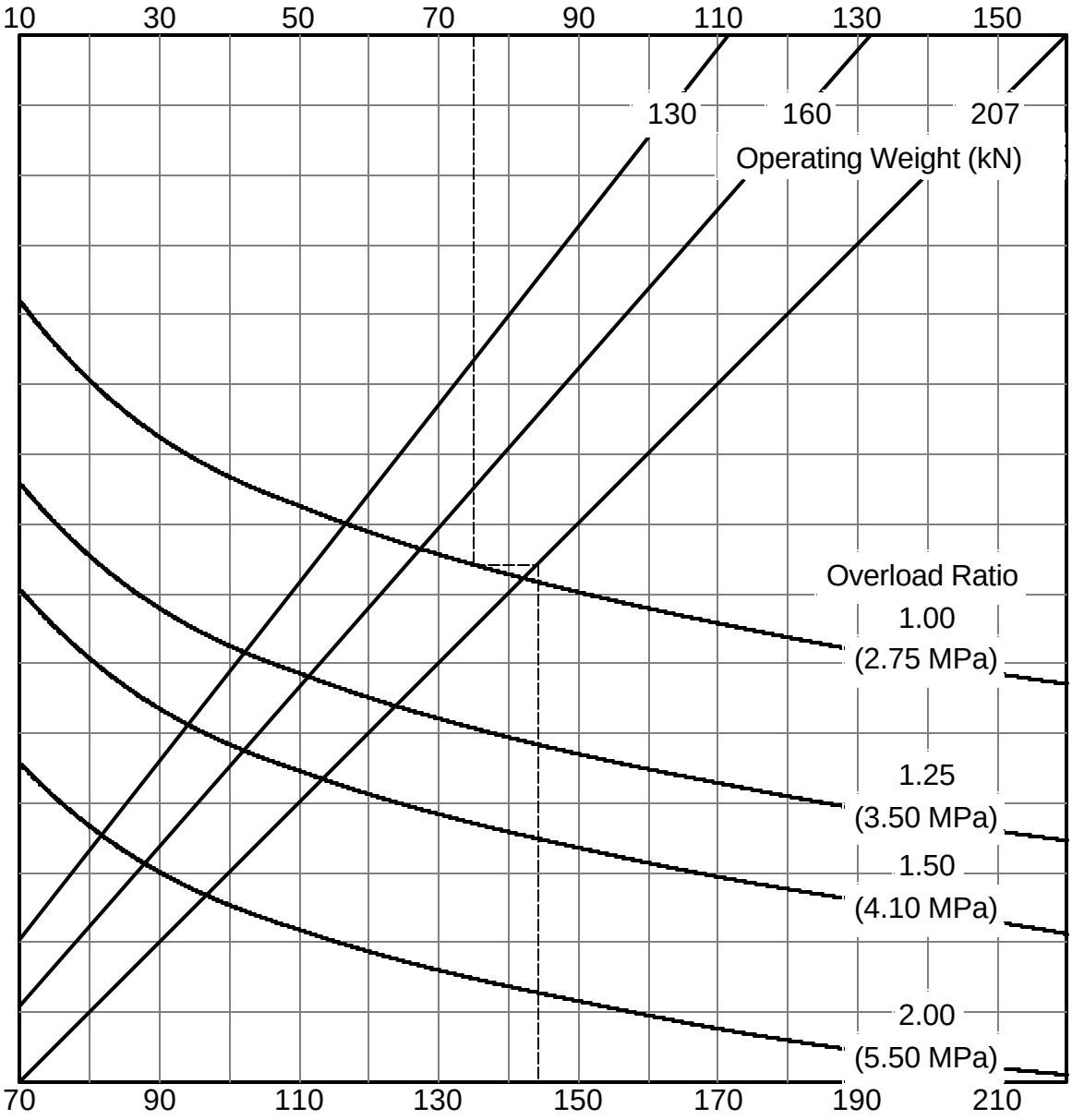
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		Antonov AN-24
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	580 mm
Tire Pressure (MPa) Pression des Pneus	0.42	

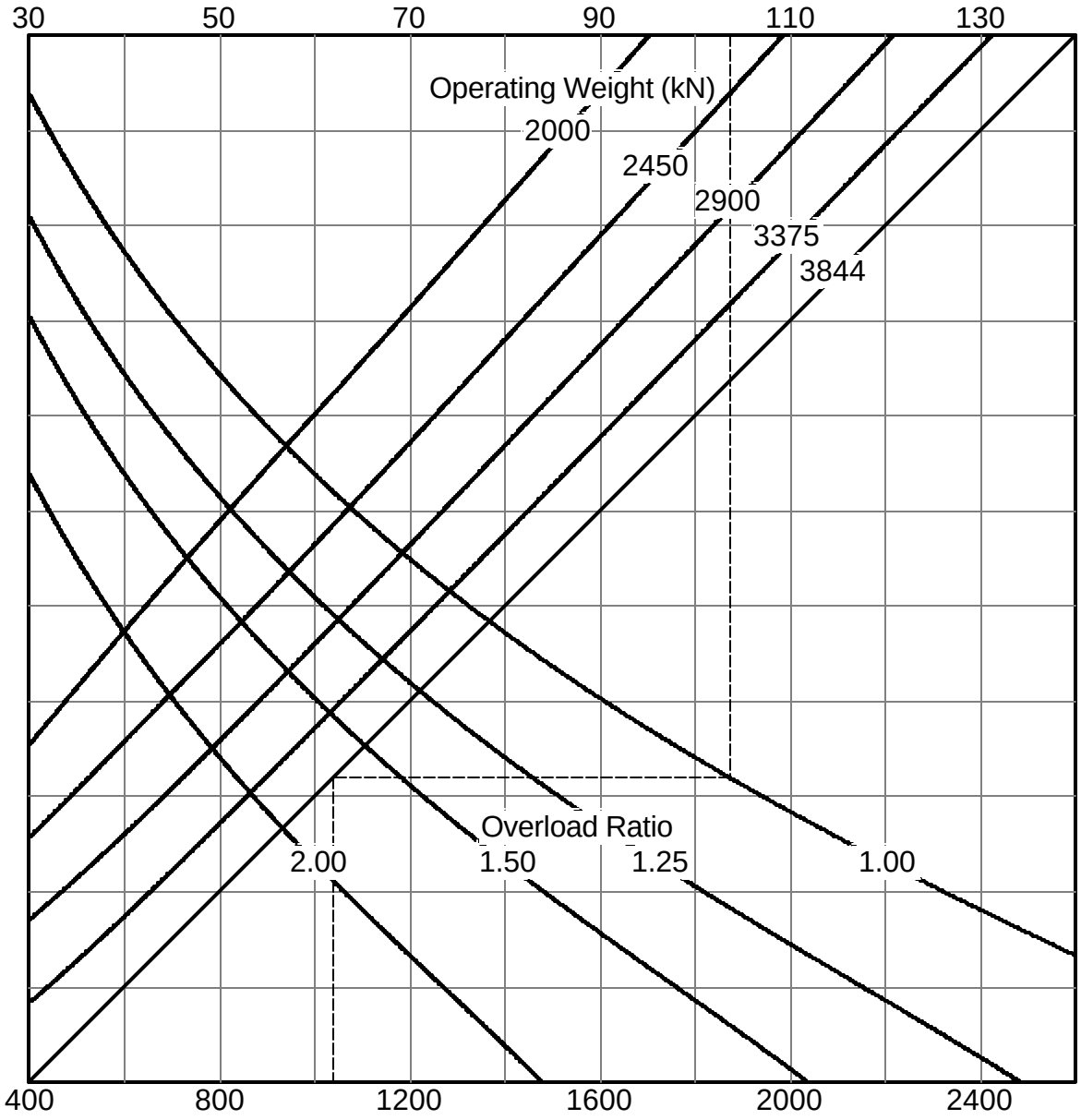
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		Antonov AN-124-100
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	6600 mm 995 mm
Tire Pressure (MPa) Pression des Pneus	1.03	

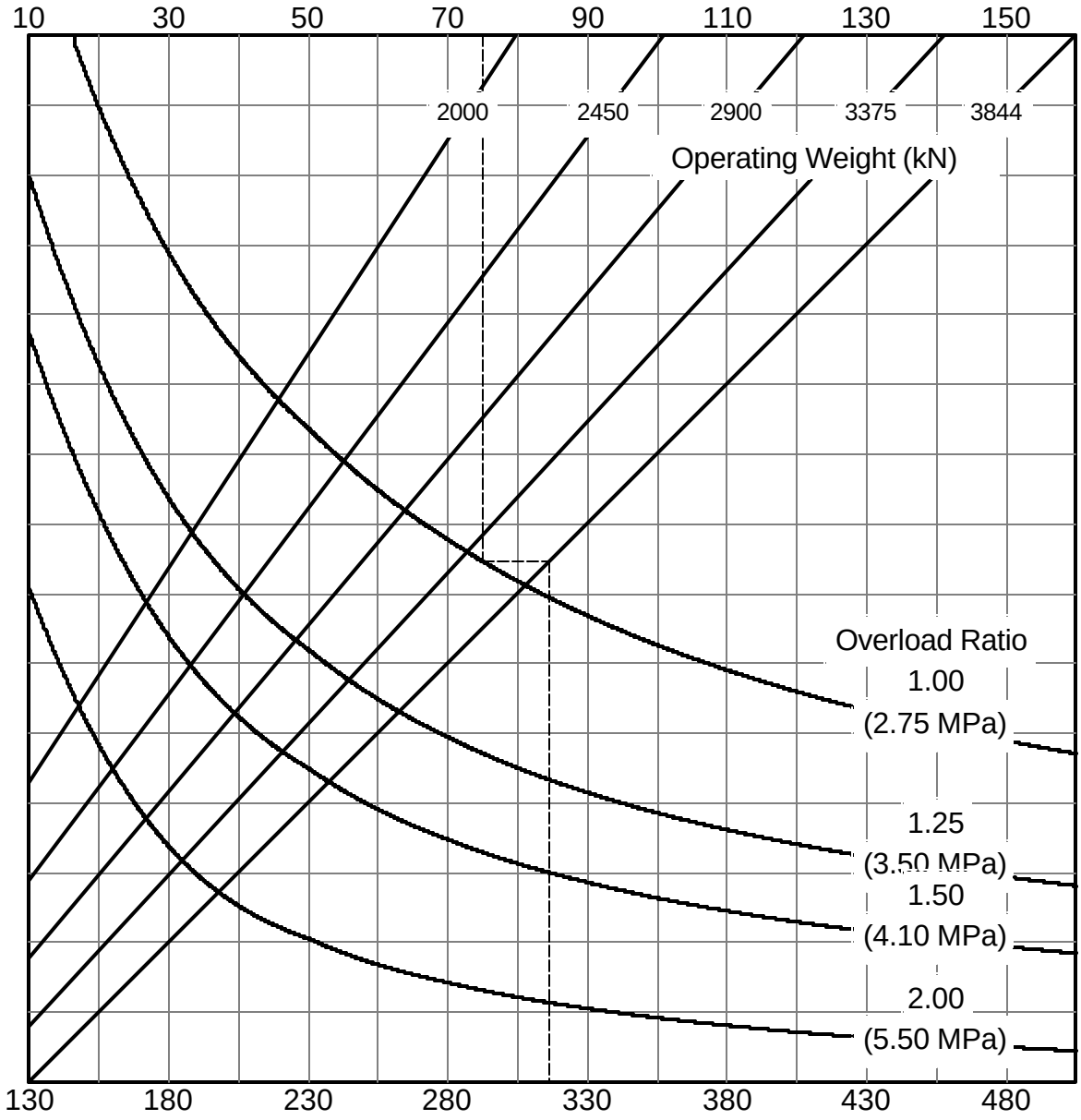
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		Antonov AN-124-100
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	6600 mm 995 mm
Tire Pressure (MPa) Pression des Pneus	1.03	

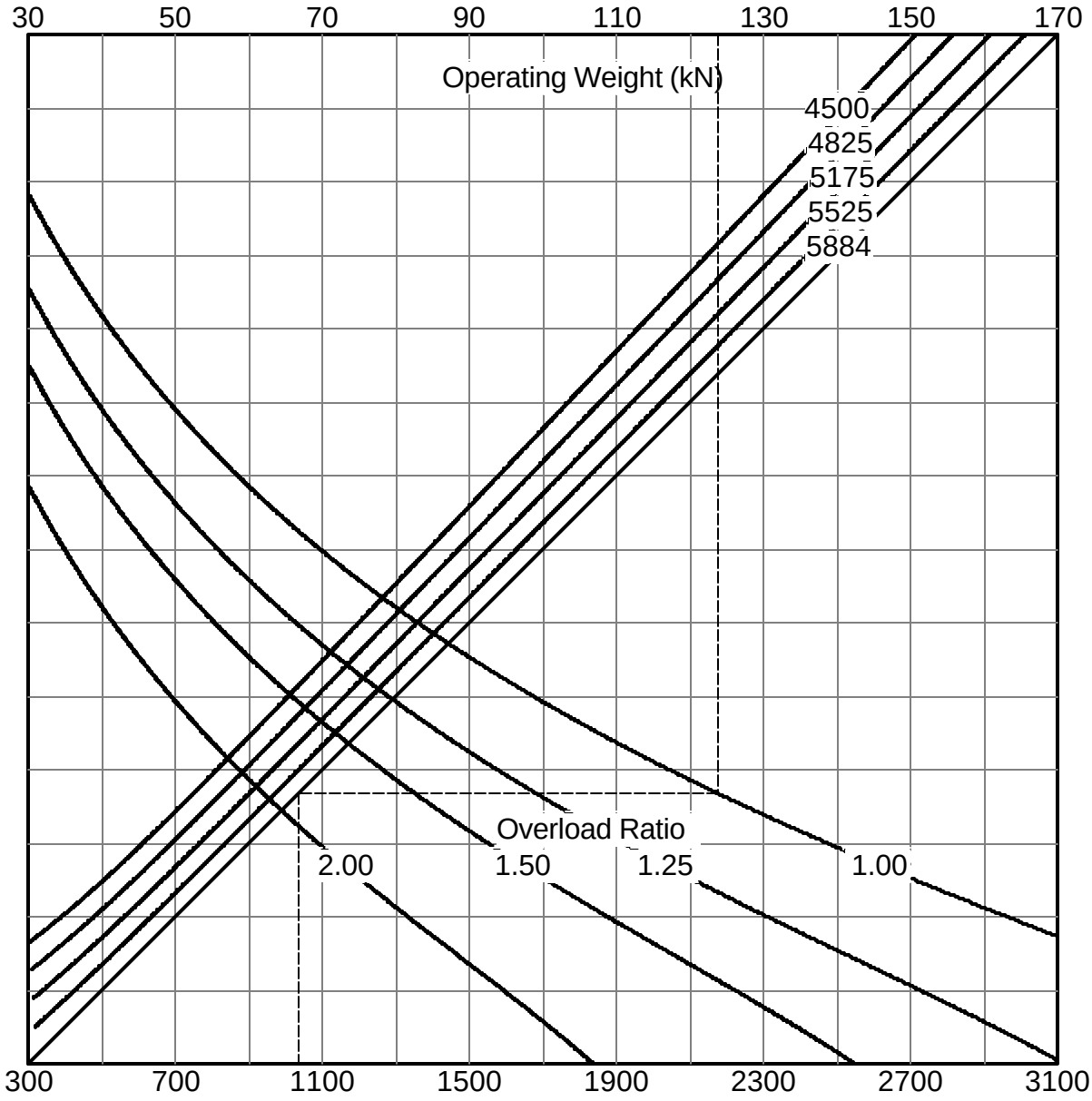
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		Antonov AN-225
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	10500 mm 870 mm
Tire Pressure (MPa) Pression des Pneus	1.13	

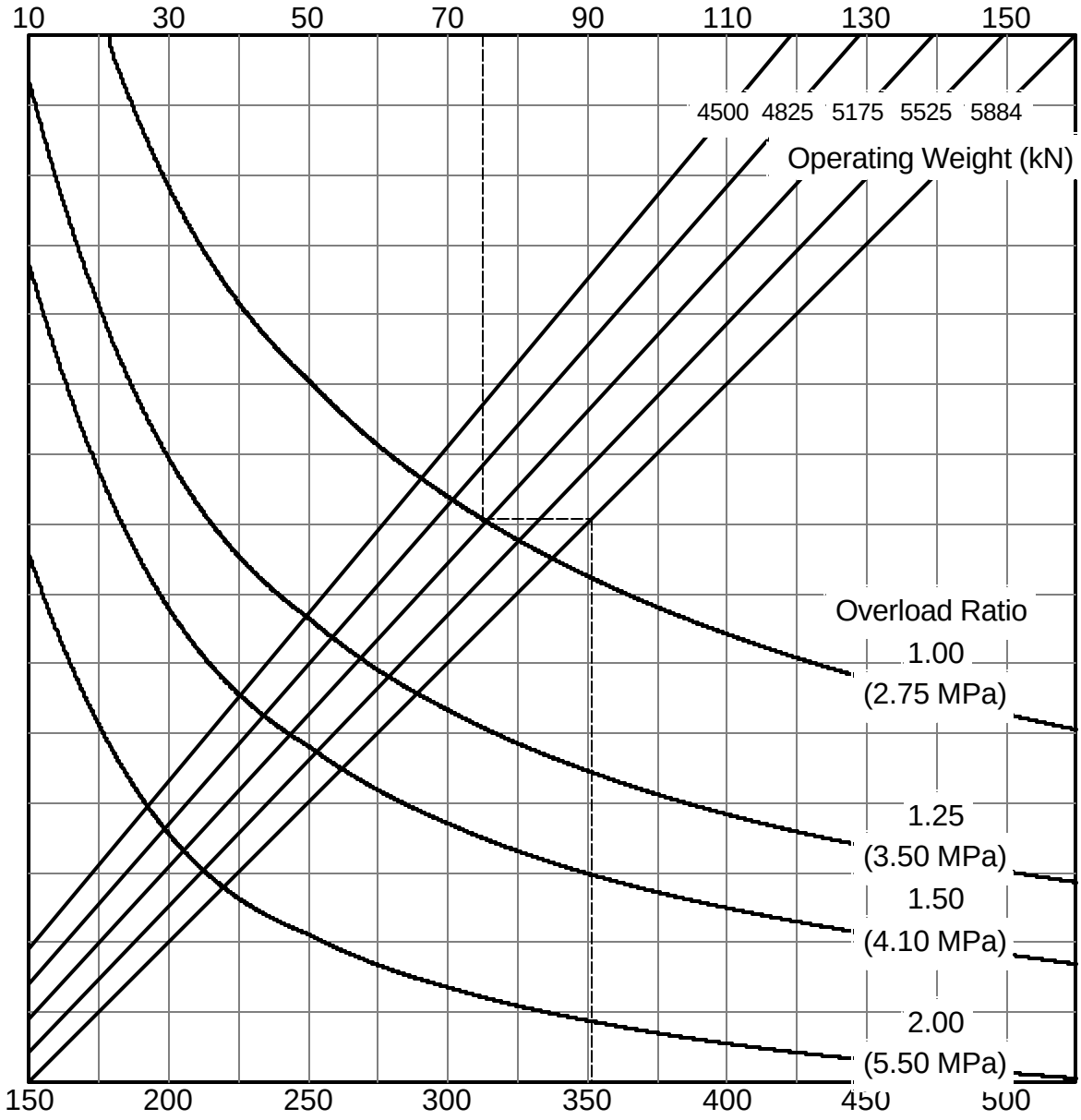
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		Antonov AN-225
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	10500 mm 870 mm
Tire Pressure (MPa) Pression des Pneus	1.13	

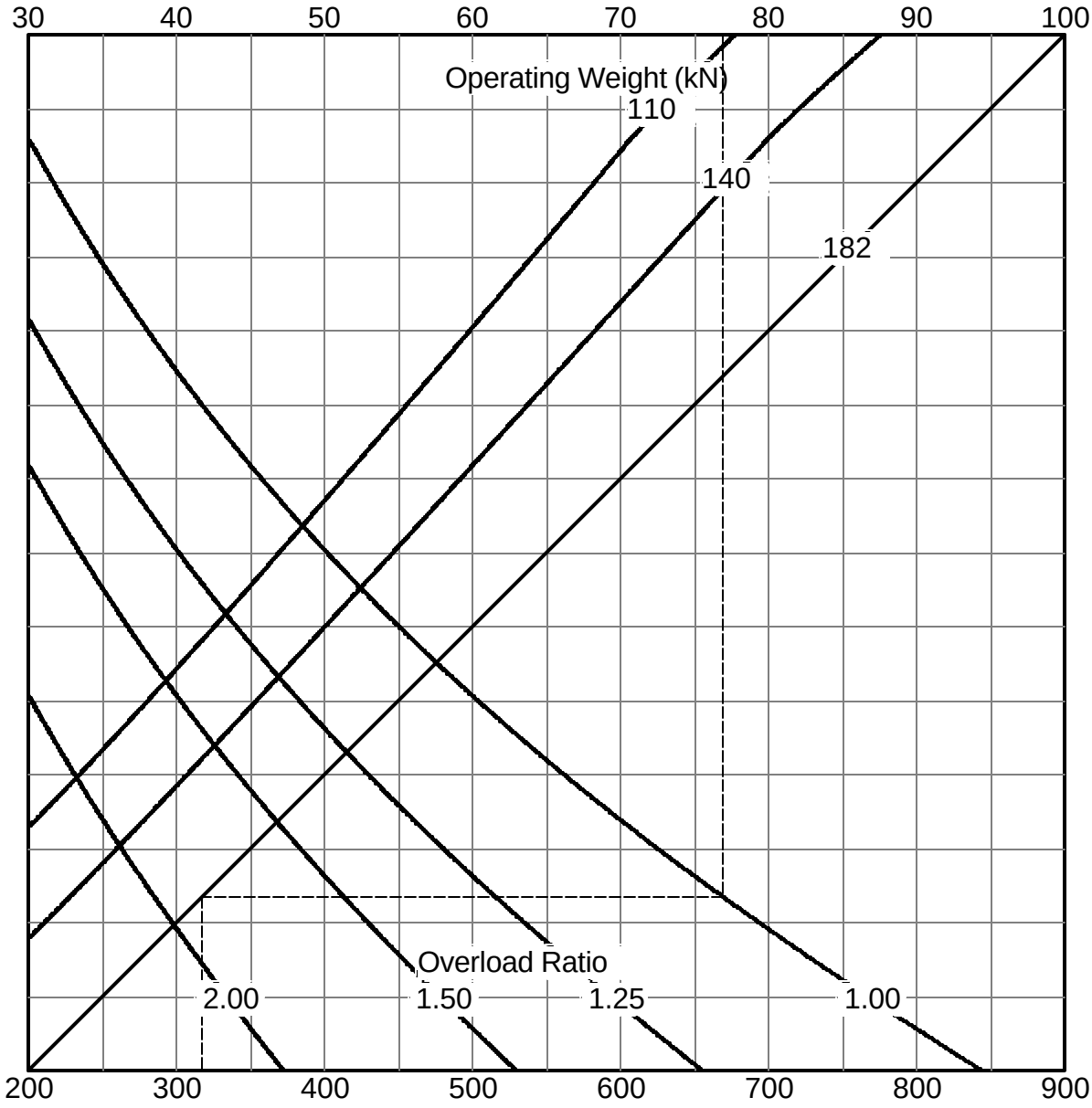
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		ATR 42 (Aerospatiale)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	420 mm
Tire Pressure (MPa) Pression des Pneus	0.72	

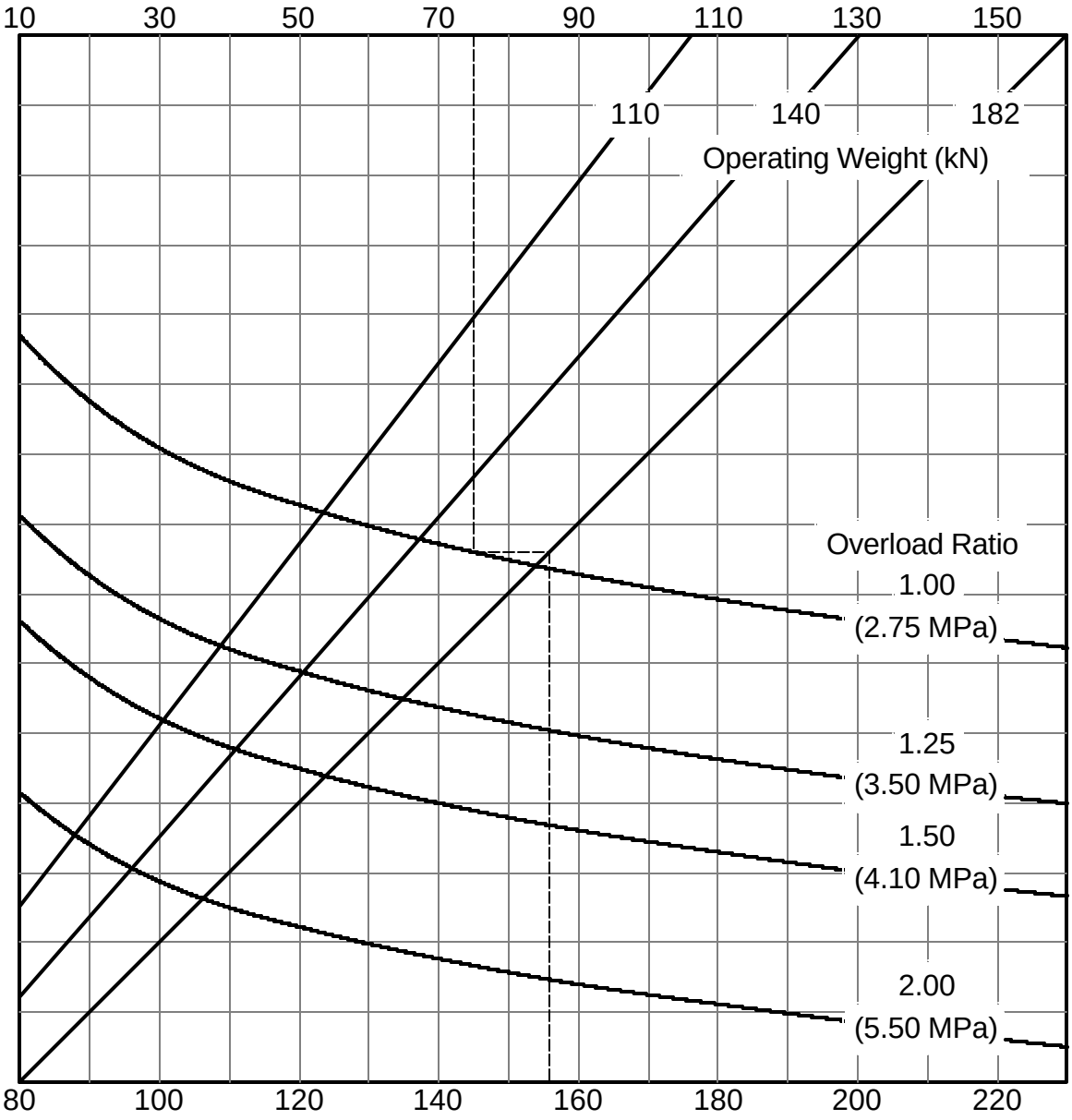
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		ATR 42 (Aerospatiale)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	420 mm
Tire Pressure (MPa) Pression des Pneus	0.72	

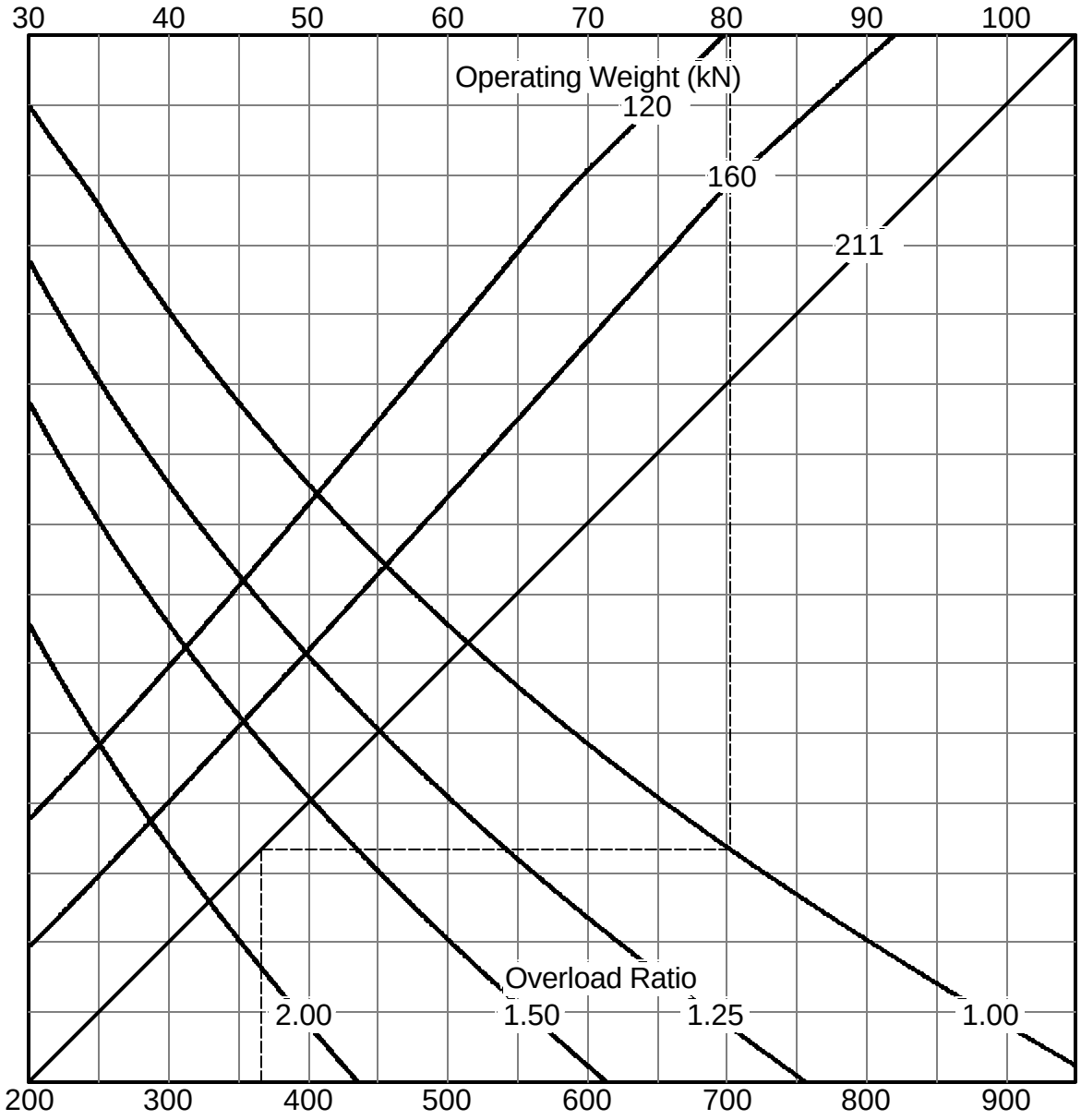
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		ATR 72 (Aerospatiale)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	420 mm
Tire Pressure (MPa) Pression des Pneus	0.79	

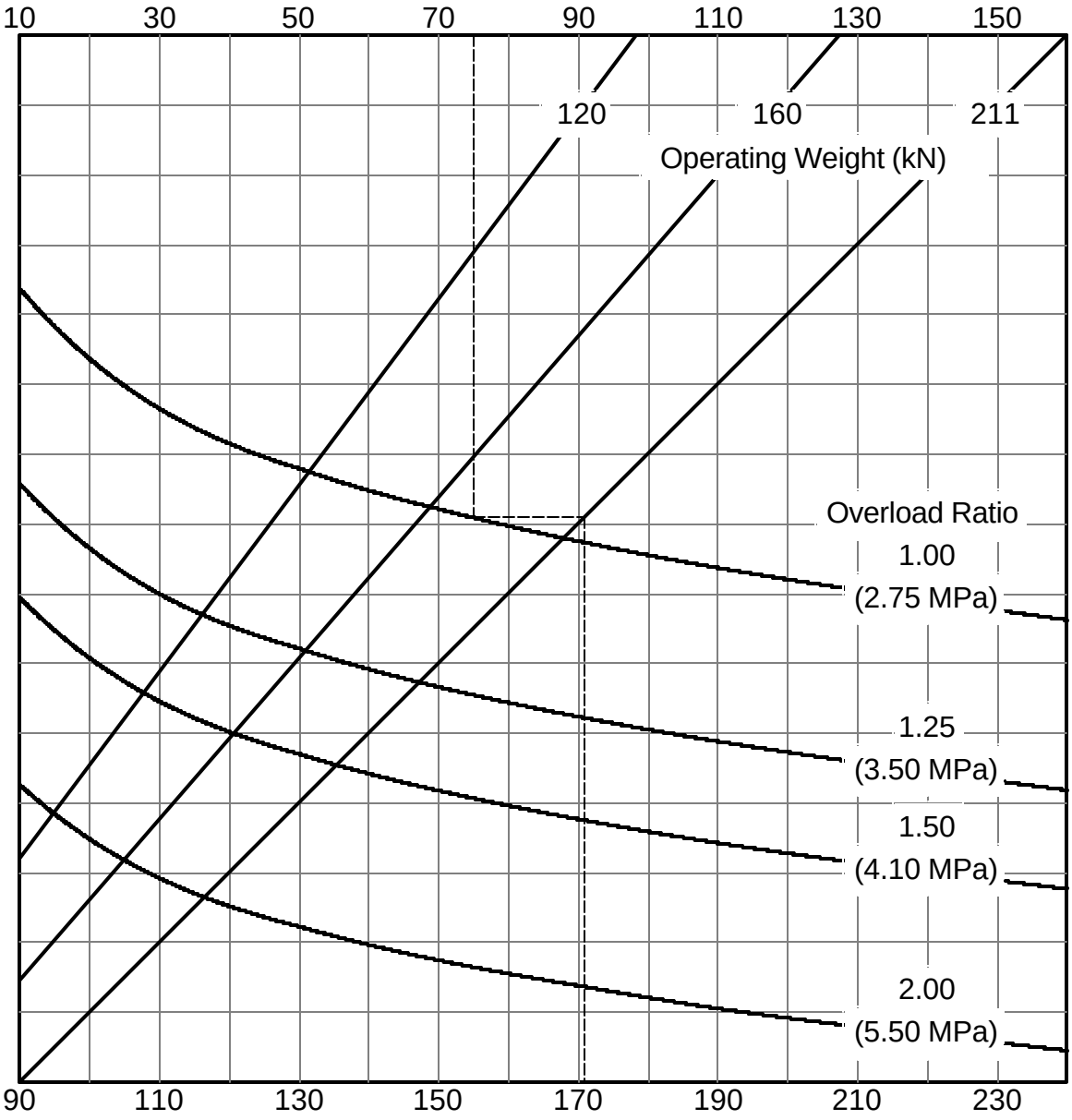
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		ATR 72 (Aerospatiale)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	420 mm
Tire Pressure (MPa) Pression des Pneus	0.79	

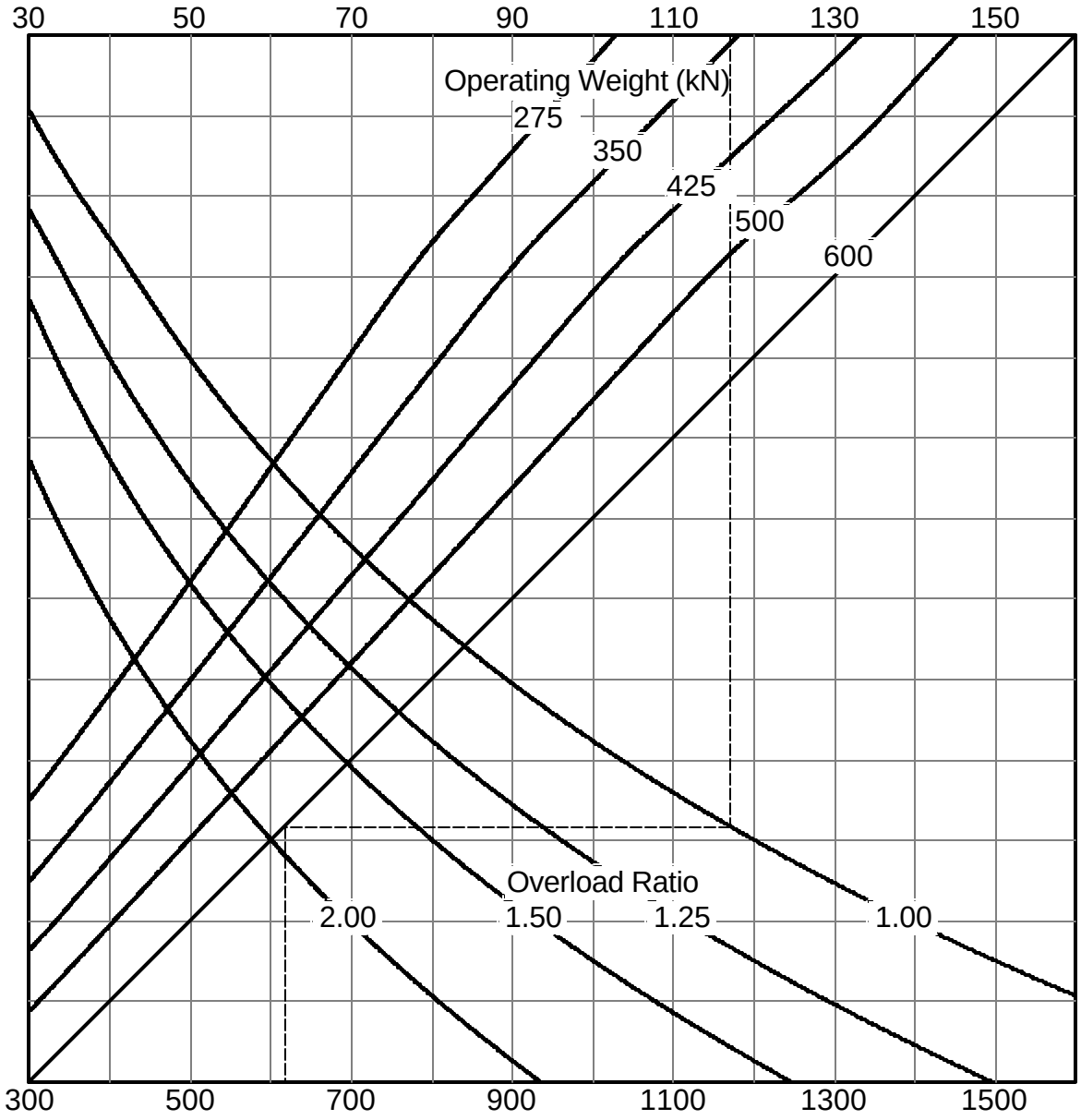
Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton

Flexible Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Flexible		Aurora (CP-140) (P-3 Orion)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	660 mm
Tire Pressure (MPa) Pression des Pneus	1.31	

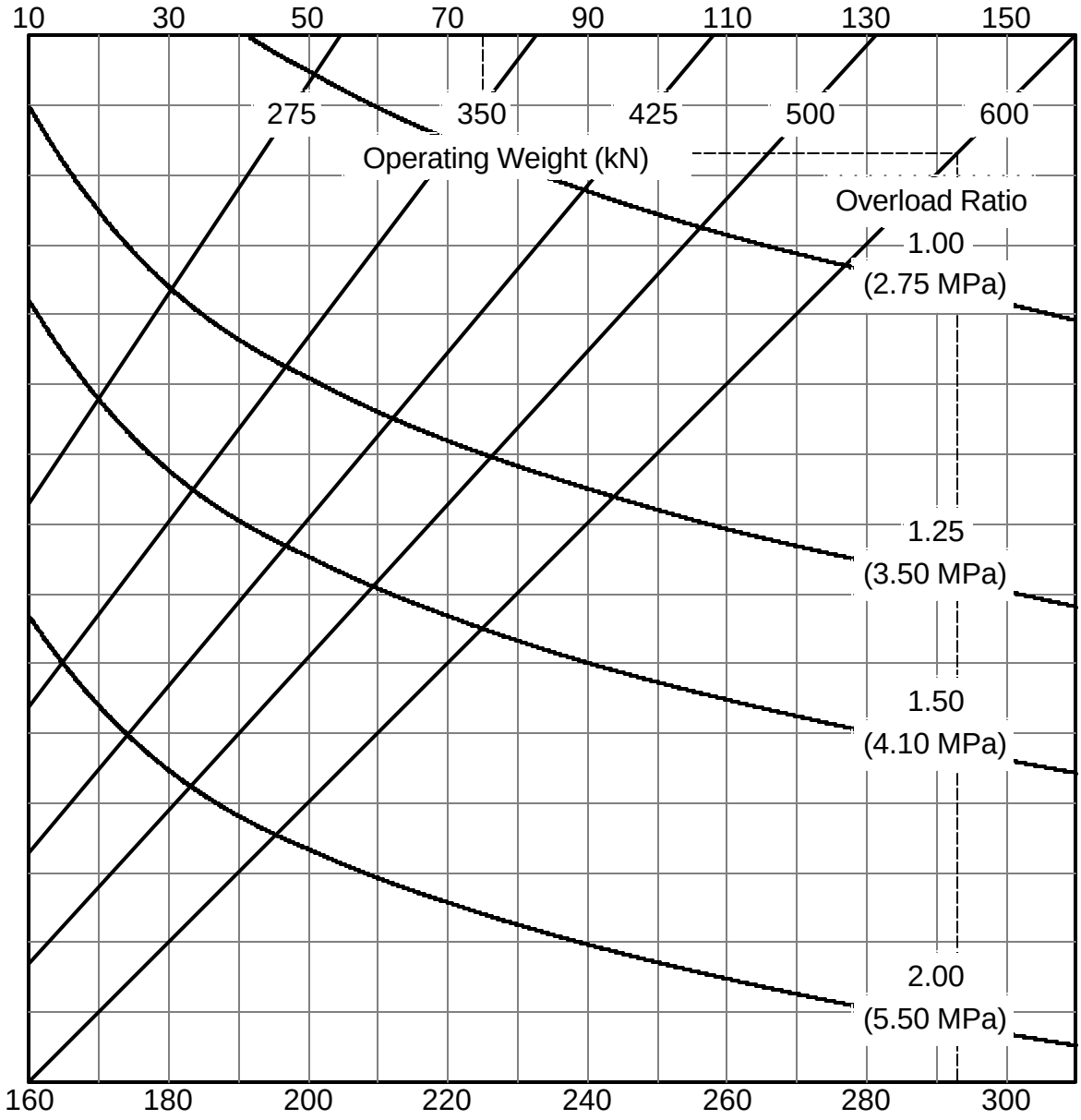
Subgrade Bearing Strength - S (kN)
Force Portante du Sol Support



Pavement Equivalent Granular Thickness - t (mm)
Epaisseur Granulaire Equivalente d'une Chaussée

Rigid Pavement Design & Evaluation Chart Abaque de Calcul d'une Chaussée Rigide		Aurora (CP-140) (P-3 Orion)
% Load on Main Gear % Poids sur Atterrisseur Principal	47.5	660 mm
Tire Pressure (MPa) Pression des Pneus	1.31	

Bearing Modulus - K (MPa/m)
Module de Réaction du Sol Support



Concrete Slab Thickness - h (mm)
Epaisseur de la Dalle de Beton