International Standard 3324/1

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Aircraft tyres and rims — Part 1 : Specifications

Pneumatiques et jantes pour aéronefs — Partie 1 : Spécifications

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 3324/1 was prepared by Technical Committee ISO/TC 31, *Tyres, rims and valves.*

ISO 3324/1 was first published in 1976. This second edition cancels and replaces the first edition, of which it constitutes a technical revision.

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Contents

Aircraft tyres and rims — Part 1: Specifications

0 Introduction

This part of ISO 3324, which deals with specifications for aircraft tyres and rims, is divided into three sections, as follows:

— section one, which concerns new tyres;

— section two on retread tyres;

— section three on rims.

ISO 3324/2 deals with test procedures for aircraft tyres.

Section one: New tyres

1 Scope and field of application

This section of ISO 3324/1 sets out, for new civil aircraft tyres,

a) definitions;

b) tyre size designation;

c) tyre markings;

d) tyre dimensional tolerances;

e) a method for determining growth allowances;

f) a method for determining clearance allowances.

2 Definitions

For definitions relating to aircraft tyres, ISO 4223/1, *Definitions of some terms used in the tyre industry — Part 1: Tyres*, should be consulted.

For the purposes of this section of ISO 3324/1, the following definitions apply.

2.1 new tyre: A tyre which has been neither used nor subjected to a retreading operation.

2.2 grown tyre: A tyre which has undergone expansion due to use in service.

2.3 ply rating: A term used to identify a given tyre with its maximum load when used in a specific type of service. It is an index of relative tyre strength.

2.4 balance mark: An identifying red dot, located on the side wall at the light spot of the tyre.

2.5 chine: An annular protruberance located around the shoulder area (S) of the tyre, designed to deflect water.

2.6 skid depth (mould): The depth of the deepest tread grooves in the mould.

2.7 venting mark: An identification dot, other than red, located at the vents of tyres.

2.8 rated load: The load as given in tables 1 to 8 of the annex, in the "Maximum load" column.

2.9 aspect ratio (AR): The ratio of mean section height to mean width.

3 Tyre size designation and dimensions

3.1 Tyre size designation

The tyre size designation for new design tyres in accordance with this International Standard shall include a three-part size marking as follows:

Overall diameter × Overall section width — Rim diameter

The size designation may also include one of the following letter prefixes:

B — Indicates tyres for 15° bead seat rims with 60 % to 70 % rim width to tyre section width ratio.

C — Indicates tyres for 15° bead seat rims with 50 % to 60 % rim width to section width ratio.

H — Indicates tyres for 5° bead seat rims width 60 % to 70 % rim width to section width ratio.

3.2 Tyre dimensions

3.2.1 The overall diameter and overall section width are the maximum permitted new inflated tyre dimensions when the tyre is mounted on the specified rim, inflated to its rated inflation pressure, and allowed to stand for a minimum of 12 h at normal room temperature and the inflation pressure readjusted to the original value.

3.2.2 Dimensions shall be expressed in millimetres or inches as follows:

a) tyre, overall diameter and overall width in millimetres (mm),

or

b) tyre, overall diameter and overall section width in inches (in);

c) rim diameter: inches (in) or millimetres (mm).

4 Tyre markings

The marking of new tyres shall include the following:

a) tyre size designation;

b) ply rating;

c) maximum speed rating expressed in knots or "mph" (miles per hour) on tyres for 140 knots (161 mph) and over;

d) skid depth (mould) expressed in millimetres or inches, on tyres for 140 knots (161 mph) and over;

e) original serial number and date of manufacture: the date of manufacture shall be expressed numerically and may use a system of marking based on the Julian calendar (for example 12 March 1985 becomes 5071, the 5 representing 1985 and 071 representing 12 March which is the 71st day of the year) or specify month and year of manufacture with a dash (—) separating them (for example March, 1985 becomes 03-85);

NOTE — The numerical date of manufacture may form the first four digits of the manufacturer's unique serial number.

f) the word "tubeless" if applicable;

g) manufacturer's (brand) name; and country of manufacture;

h) balance mark;

j) venting mark;

k) rated load (kg or lb);

m) part number.

5 Tyre dimensional tolerances

New inflated tyre dimensional tolerances shall be calculated using the factors shown in figure 3 or 4. Where used, the three-part size designation, as defined in 3.1, determines the maximum permitted new inflated tyre outside diameter and width of section, and therefore tolerances shall be calculated as a minus from the permitted maximum dimensions.

6 Determination of growth allowances

6.1 General

Growth allowances provide for the increase in tyre dimensions over the maximum new inflated tyre dimensions to allow for growth or stretch of the tyre during service.

6.2 Dimensions and symbols

	Inflated new tyre	Inflated grown tyre
Maximum section width [1]	W	W_G
Maximum shoulder width [2]	W_S*	W_{SG}
Maximum overall diameter	D_O	D_G
Maximum shoulder diameter	D_S	D_{SG}
Maximum section height	H	—
Maximum shoulder height	H_S**	—
Rim ledge diameter	D	
Minimum lateral distance required from wheel centre line to adjacent structure	W_X	
Minimum radial distance required from axle centre line to adjacent structure	R_X	
Minimum lateral clearance [3]	C_W	
Minimum radial clearance [3]	C_R	
Minimum shoulder clearance [3]	S_X (radial distance)	

* $W_S = 0{,}88\ W$

** $H_S = 0{,}82\ H$

6.3 Calculations

6.3.1 Determine grown dimensions as follows, using the appropriate growth factor given in 6.3.2:

$$W_G = G_W\, W$$

$$D_G = D + 2G_H\, H$$

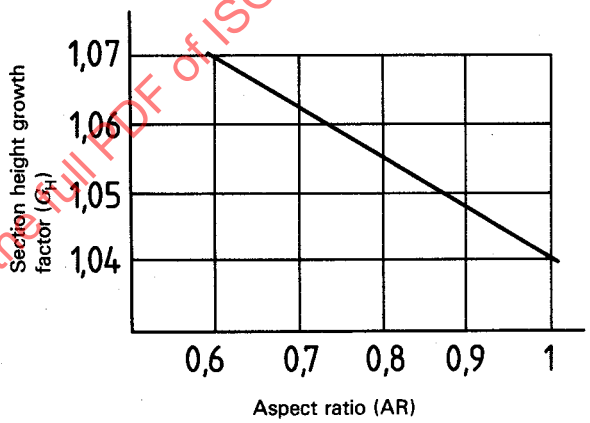
$$W_{SG} = G_W\, W_S$$

$$D_{SG} = D + 2G_H\, H_S$$

$$H = \frac{D_O - D}{2}$$

$$H_S = \frac{D_S - D}{2}$$

6.3.2 Growth factors are expressed in figure 1.



Section width growth factor, $G_W = 1{,}04$

$G_H = 1{,}115\ (0{,}075 \times AR)$

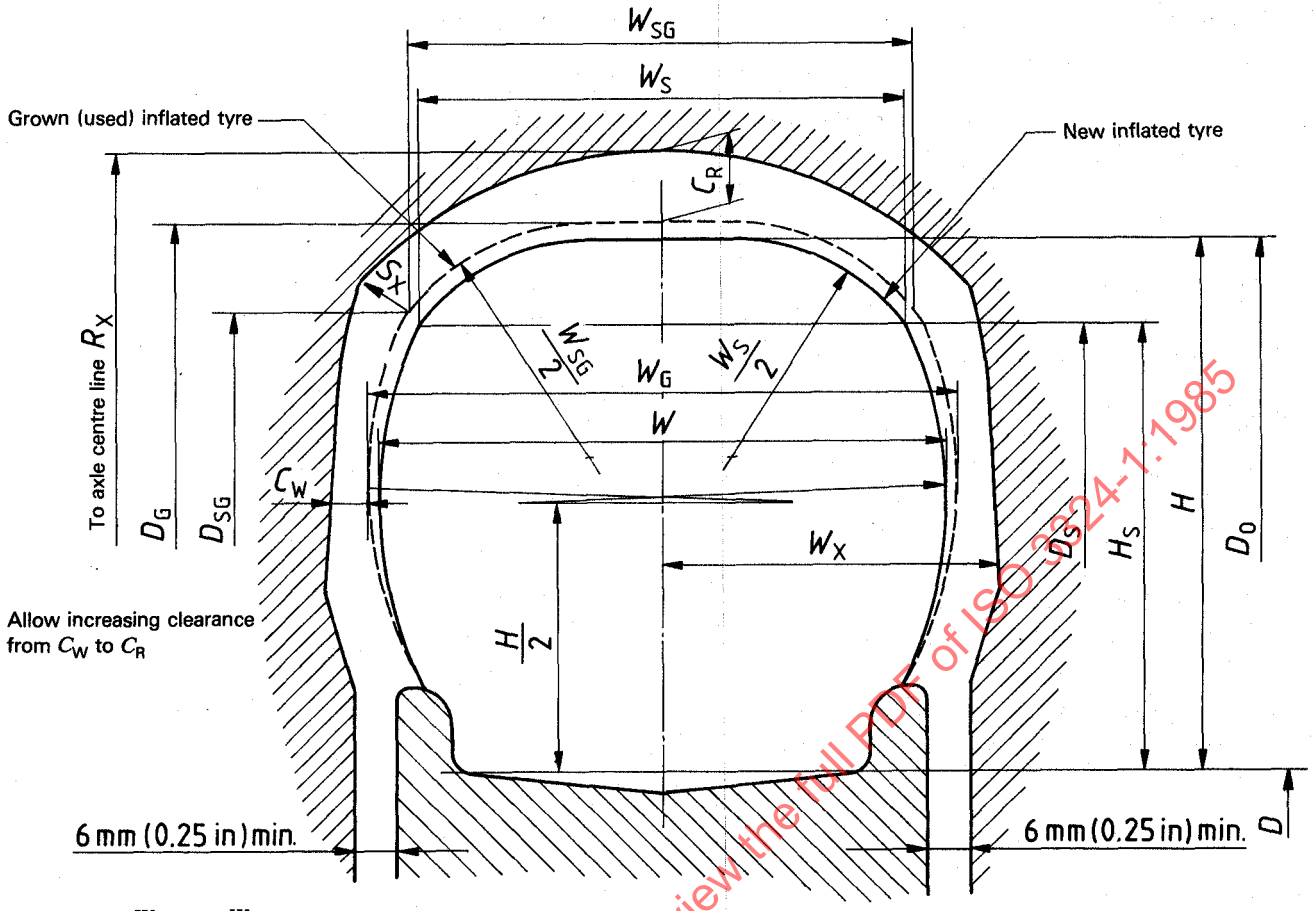
Figure 1 — Growth factors (section height)

6.3.3 Obtain the new tyre dimensions D_O, D_S, W and W_S, as shown in the tyre tables; such dimensions should be considered maxima.

1) Maximum section width includes protective side ribs, lettering bars and decorations, but does not include chines (water deflectors) present on certain types of nose wheel (or auxiliary gear) tyres.

2) Maximum shoulder width does not include chines (water deflectors) present on certain types of nose wheel (or auxiliary gear) tyres.

3) These are minimum clearance allowances between the maximum grown tyre and the adjacent structure.



NOTE — Radii $\frac{W_S}{2}$ and $\frac{W_{SG}}{2}$ are drawn through their respective shoulder points tangent to D_O and D_G respectively.

Radii below the shoulder points pass through the shoulder points and are tangent to W and W_G respectively.

Dimensions W and W_G include all protective side ribs, lettering, bars, and decorations.

Figure 2 — Grown and clearance allowances

7 Determination of clearance allowances

7.1 Clearance around individual tyres

Clearance allowances between the tyre and the adjacent parts of the aircraft should be based on the maximum overall tyre dimensions plus growth allowance due to service, plus the increase in diameter due to centrifugal force. Minimum distances to adjacent parts of the aircraft are determined as follows:

a) Determine the maximum grown tyre envelope as instructed. (This is the dotted line labelled "grown (used) inflated tyre" on the figure above.)

b) Obtain the radial clearance C_R from figure 5 or 6 (mm or in).

c) Determine the distance to adjacent parts as follows:

$R_{X\,min}$ (Radial distance from axle centre line to adjacent part) $= \frac{D_G}{2} + C_R$

$W_{X\,min}$ (Lateral distance from the wheel centre line to adjacent part) $= \frac{W_G}{2} + C_W$

$S_{X\,min}$ Radius (Clearance allowed between tyre shoulder area and adjacent part) $= \frac{C_W + C_R}{2}$

NOTE — The above radial clearance includes allowances for increase in tyre diameter due to centrifugal force at speeds up to 220 knots (250 mph).

7.2 Spacing between twin tyres

The minimum distance between the tyre tread centre lines shall be $1{,}18 \times W_G$, where W_G is the maximum grown width of the tyre.

7.3 Spacing between tyres in tandem

The minimum distance between axle centres shall be $D_G + 2C_R$, where D_G is the maximum grown tyre diameter and C_R is the tyre radial clearance allowance for the maximum aircraft ground speed.

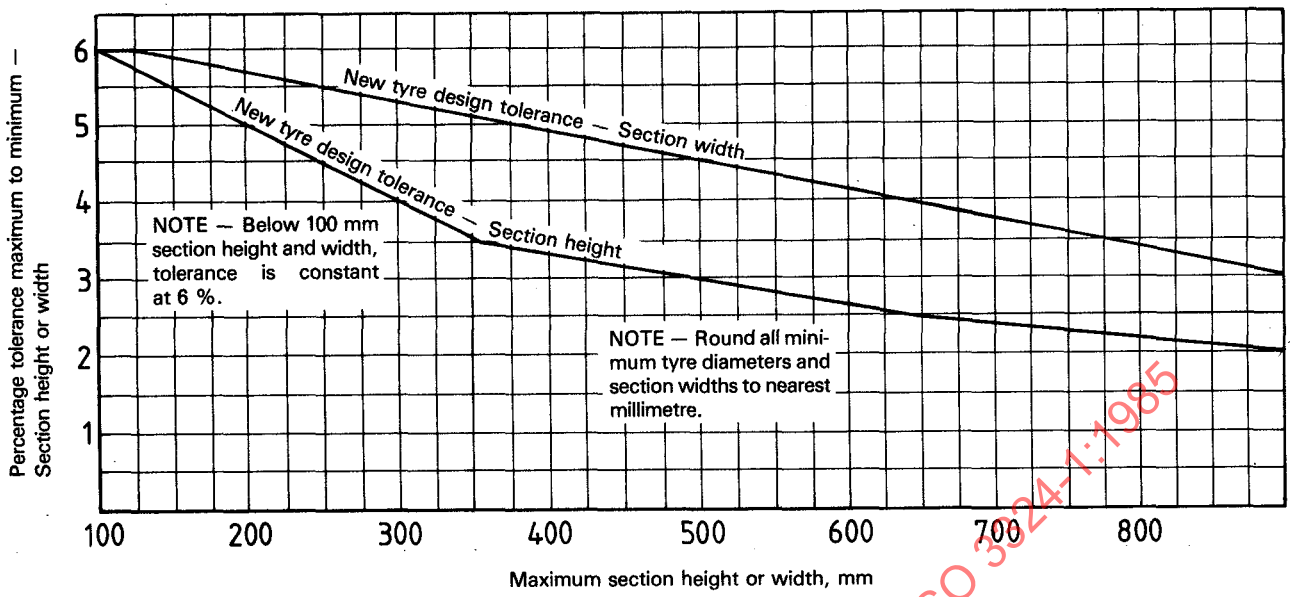


Figure 3 — New aircraft tyre section height and width — Dimensional tolerances (millimetres) [1)]

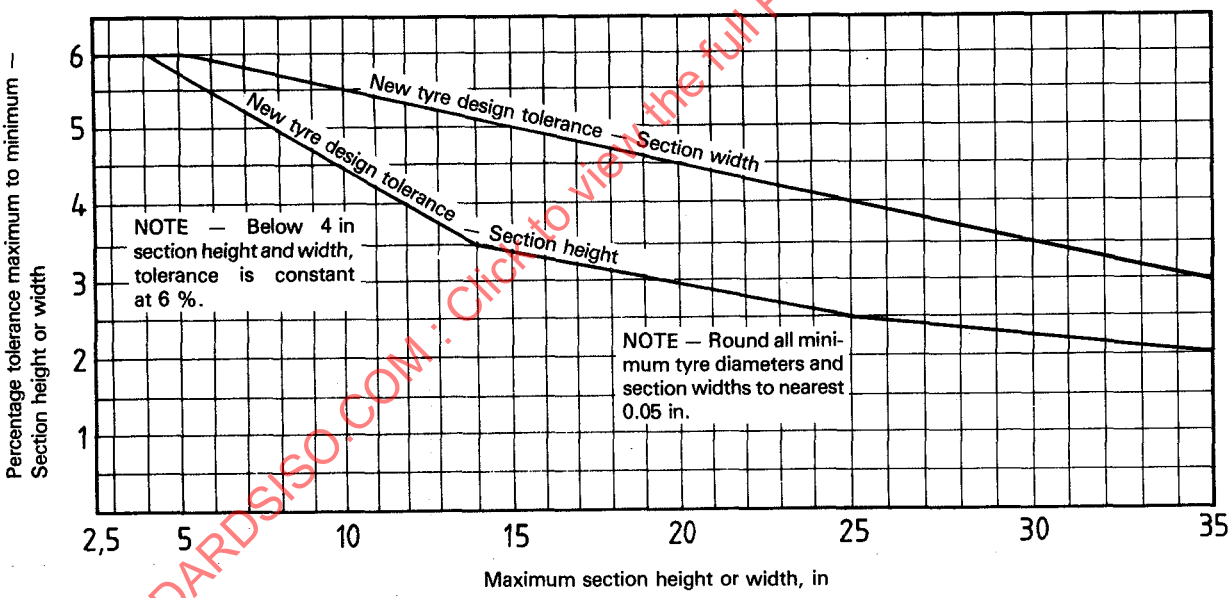


Figure 4 — New aircraft tyre section height and width — Dimensional tolerances (inches) [2)]

1) Tolerances ares shown in the following table.

Percent of tolerance	
Section width (maximum width)	Formula (%)
0 < < 127	6,0
127 < < 890	6,5 – 0,1 (maximum width)
Section height (maximum height)	
0 < < 100	6,0
100 < < 355	7,0 – 0,25 (maximum height)
355 < < 635	(52,5 – maximum height)/11,0
635 < < 890	3,75 – 0,05 (maximum height)

2) Tolerances are shown in the following table.

Percent of tolerance	
Section width (maximum width)	Formula (%)
0 < < 5	6,0
5 < < 35	6,5 – 0,1 (maximum width)
Section height (maximum height)	
0 < < 4	6,0
4 < < 14	7,0 – 0,25 (maximum height)
14 < < 25	(52,5 – maximum height)/11,0
25 < (< 35)	3,75 – 0,05 (maximum height)

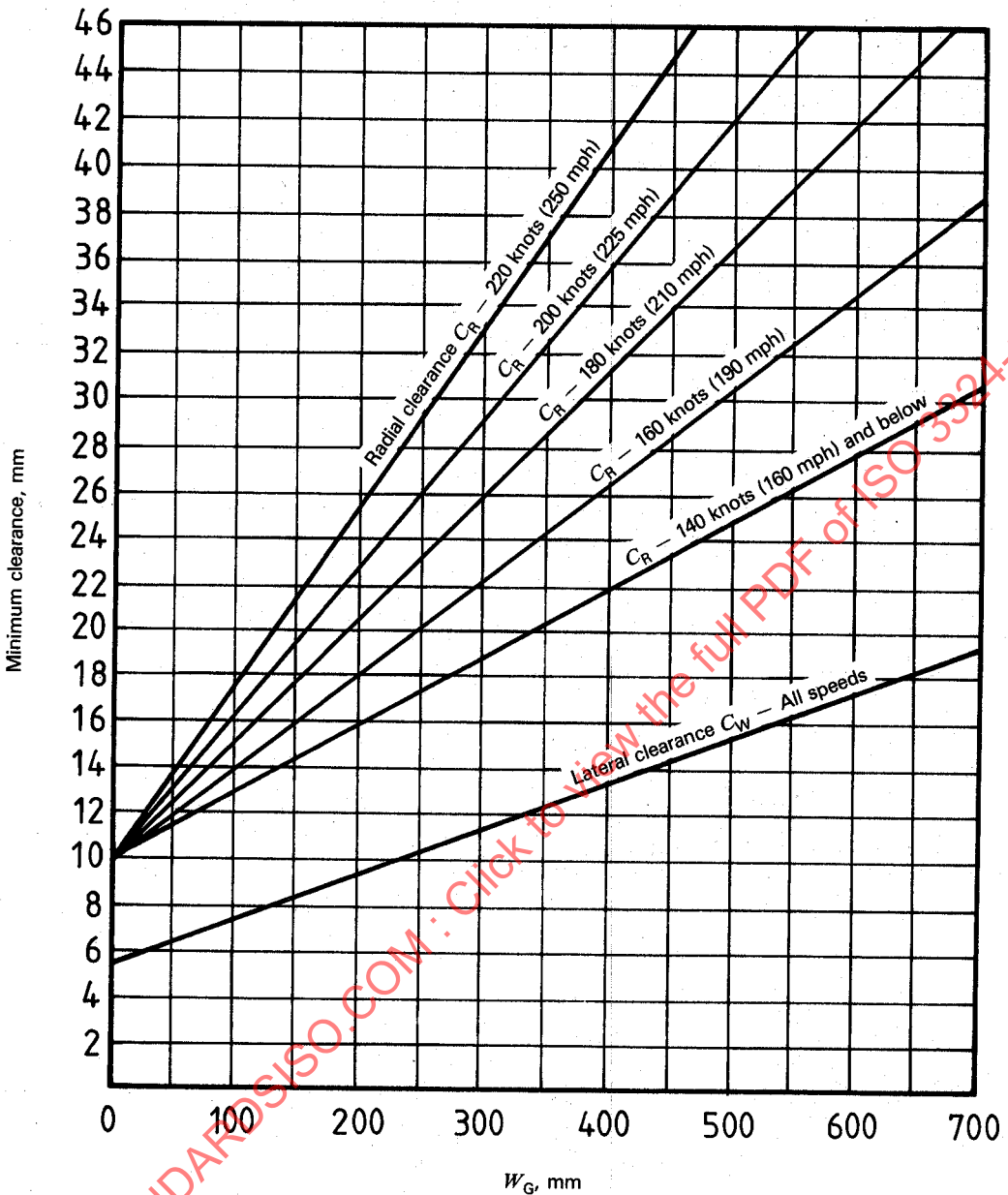


Figure 5 — Chart to be used for calculating radial C_R and lateral C_W clearances

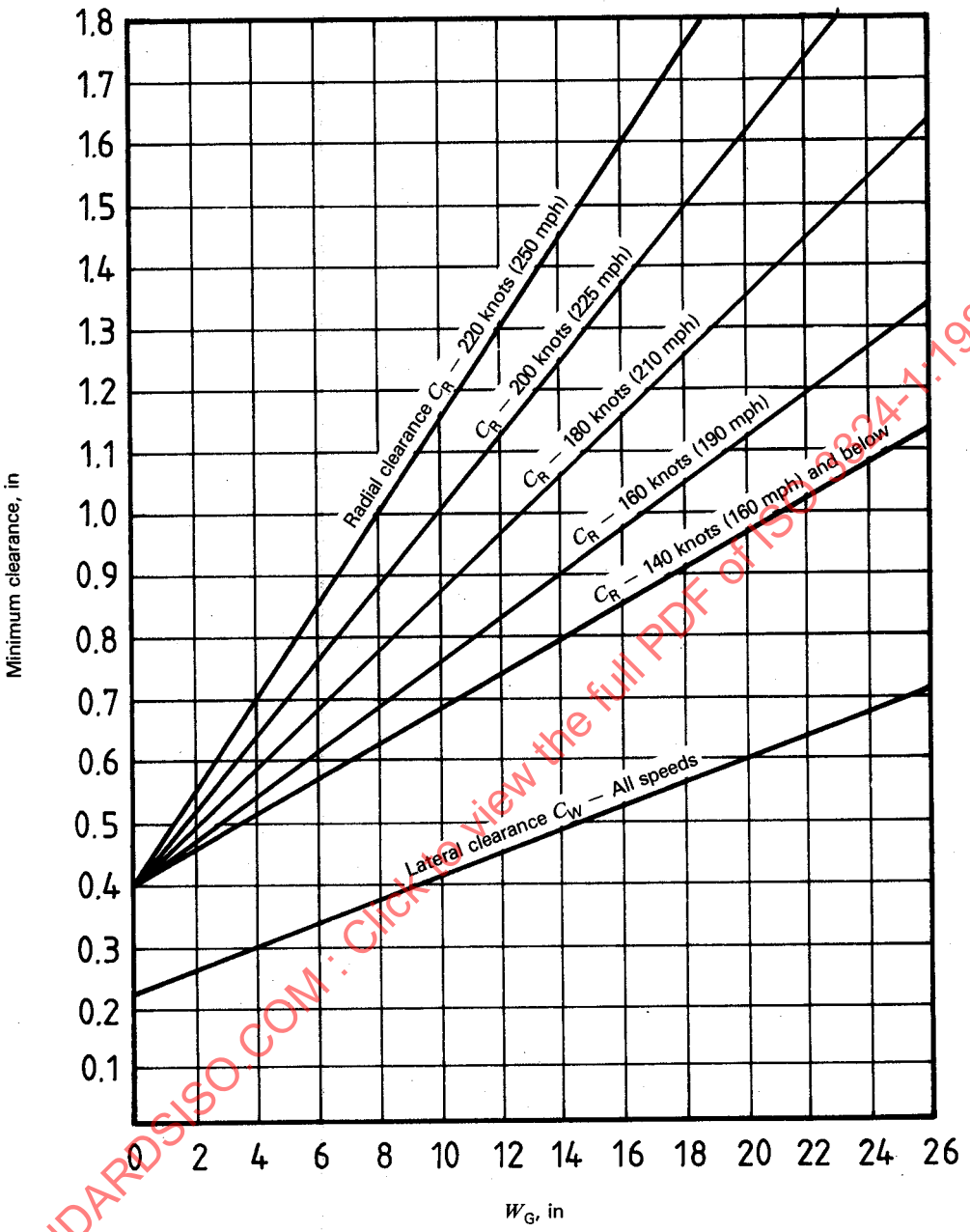


Figure 6 — Chart to be used for calculating radial C_R and lateral C_W clearances

Section two : Retread tyres

8 Scope and field of application

This section of ISO 3324/1 sets out, for retread civil aircraft tyres,

a) definitions;

b) tyre size designation;

c) tyre markings;

d) tyre dimensional tolerances.

9 Definitions

For definitions relating to aircraft tyres, ISO 4223/1, *Definitions of some terms used in the tyre industry — Part 1: Tyres* should be consulted.

For the purposes of this section of ISO 3324/1, the following definitions apply.

9.1 retread tyre: A tyre which has been subjected to a retreading operation.

9.2 balance mark: An identifying red dot, located on the side wall, at the light spot of the tyre.

10 Tyre size designation

Designation is the same as the new tyre size designation as detailed in clause 3.

11 Tyre markings (original carcass markings and/or retread markings)

The marking of retread tyres shall include the following :

a) original tyre size designation;

b) ply rating;

c) maximum speed rating expressed in knots or "mph" (miles per hour) on tyres for 140 knots (161 mph) and over;

d) original serial number;

e) original carcass date of manufacture unless part of original serial number;

f) the word "tubeless" if applicable;

g) original manufacturer's (brand) name;

h) original manufacturer's country;

j) retreader's name;

k) retreader's factory location;

m) date of retread : this shall be expressed numerically and may use a system based on the Julian calendar (for example 12 March 1985 becomes 5071, the 5 representing 1985 and 071 representing 12 March which is the 71st day of the year) or specify month and year of manufacture with a dash (—) separating them (for example March 1985 becomes 03-85);

n) retread level : letter R followed by the total number of times tyre has been retreaded (for example, R-3);

p) balance mark — applied to retread tyres;

q) skid depth (retread mould) expressed in millimetres or inches;

r) venting mark;

s) rated load (kg or lb).

12 Retread tyre dimensions

Retread tyre dimensional tolerances shall be in accordance with the new tyre grown dimensional tolerances as detailed in clauses 5 and 6.

Section three: Rims

13 Scope and field of application

This section of ISO 3324/1 sets out, for civil aircraft,

a) fundamental rim standards;

b) inspection tolerances for aircraft rims;

c) method of dimensioning and inspection tolerances for rim diameters;

d) design guide for rim flange height;

e) design guide for width between rim flanges;

f) valve hole and fusible plug hole locations.

14 Fundamental rim standards

14.1 Symbols

A = width between flanges

B_{min} = flange width (minimum)

G_{min} = minimum ledge width

H = flange height

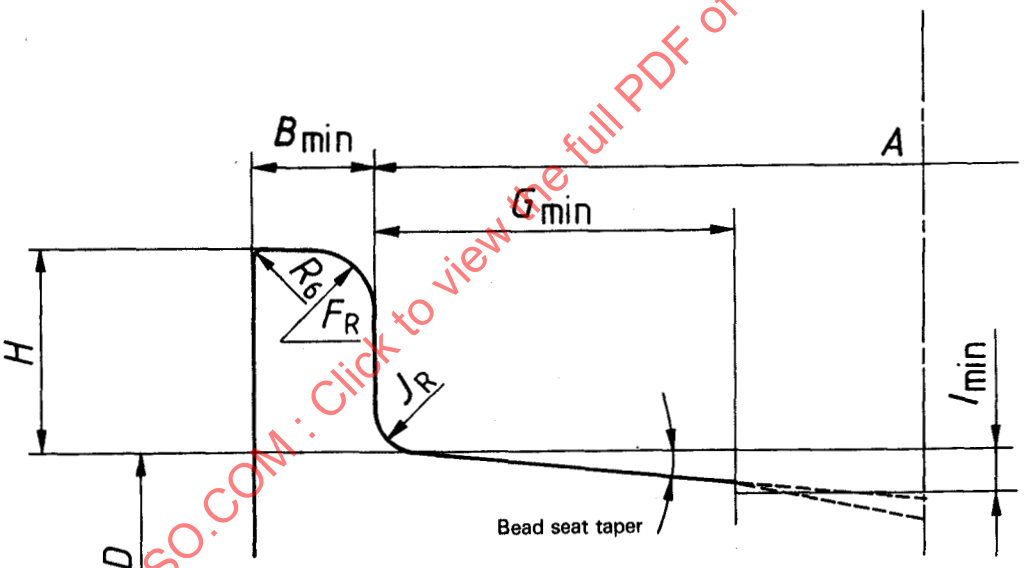
I_{min} = well depth (minimum)

F_R = flange radius

J_R = heel radius

R_6 = flange edge radius

D = specified rim diameter



I_{min} shall be included between the points where the bead seat taper surfaces intersect a horizontal line located at I_{min} below the specified bead seat diameter (D).

Bead seat	Well depth (minimum)
5°	$I_{min} = 0{,}087\,5\,(G_{min} - J_R) + 0{,}005\,D + 0{,}002\,5$
15°	$I_{min} = 0{,}268\,0\,(G_{min} - J_R) + 0{,}005\,D + 0{,}002\,5$

Figure 7 — Contour of bead seat area

14.2 Dimensions in millimetres

Wheel details	Rim width to section width ratio			
	50 % to 60 %	60 % to 70 %		70 % and over
Rim prefix letter	"C" prefix	"B" prefix	"H" prefix	No prefix
Bead ledge taper	15°	15°	5°	5°
Nominal rim diameter	1" increments, diameter to end in .5" (Example: 10.5; 12.5)	1" increments, diameter to end in .5" (Example: 10.5; 12.5)	1" increments, diameter to end in whole number (Example: 20; 21)	1" increments, diameter to end in whole number (Example: 15; 16)
Flange height (H)	Nominal section width $\leq$ 255 : 12,7 mm $>$ 255 : 20,3 mm	0,75 calculated flange height (see figure 5) Round to nearest 3 mm increment	0,85 calculated flange height (see figure 5) Round to nearest 1,0 mm for a flange height up to 25 mm, and to nearest 2,5 mm for a flange height 25 mm and above	See figure 5
Flange radius (F_R)	Nominal section width $\leq$ 255 : 6,4 mm $>$ 255 : 9,5 mm	0,667 flange height rounded down to nearest 3 mm increment	0,60 flange height rounded down to nearest 1,0 mm increment	0,50 of the flange height
Heel radius (J_R)	Nominal section width $\leq$ 255 : 6,4 mm $>$ 255 : 7,0 mm	0,333 flange height rounded to nearest 1 mm increment	0,30 flange height rounded up to nearest 1,0 mm increment	To be equal to 0,25 of flange height for flanges $\leq$ 30 mm in height and 0,225 of flange height for flanges $>$ 30 mm in height. In all cases, round flange height to nearest 1 mm.
Minimum flange width (B_{min})	Nominal section width $\leq$ 255 : 20,6 mm $>$ 255 : 26,2 mm	1,3 flange radius to the nearest 1 mm	1,3 flange radius rounded to nearest 1,0 mm increment	1,3 flange radius rounded to the nearest 1 mm
Rim width between flanges Increments (A)	10 mm — up to 120 mm width between flanges 15 mm — 120 to 300 m width between flanges 25 mm — 300 mm and larger			
Flange edge radius (R_6)	1,5 mm min.			

14.3 Inch dimensions

Wheel details	Rim width to section width ratio			
	50 % to 60 %	60 % to 70 %		70 % and over
Rim prefix letter	"C" prefix	"B" prefix	"H" prefix	No prefix
Bead ledge taper	15°	15°	5°	5°
Nominal rim diameter	1" increments, diameter to end in .5" (Example: 10.5; 12.5)	1" increments, diameter to end in .5" (Example: 10.5; 12.5)	1" increments, diameter to end in whole number (Example: 20; 21)	1" increments, diameter to end in whole number (Example: 15; 16)
Flange height (H)	Nominal section width $\leq$ 10 in : 0.50 in $>$ 10 in : 0.80 in	0,75 calculated flange height (see figure 6) Round to nearest 0.125 in	0,85 calculated flange height (see figure 6) Round to nearest 0.05 in for flange heights up to 1 in, and to nearest 0.10 in for flange heights of 1 in and above	See figure 6
Flange radius (F_R)	Nominal section width $\leq$ 10 in : 0.25 in $>$ 10 in : 0.375 in	0,667 flange height rounded down to nearest 0.125 in	0,60 flange height rounded down to nearest 0.05 in	0,50 flange height
Heel radius (J_R)	Nominal section width $\leq$ 10 in : 0.25 in $>$ 10 in : 0.275 in	0,333 flange height rounded to nearest 0.031 in	0,30 flange height rounded up to nearest 0.05 in	0,25 of flange height for flanges $\leq$ 1.25 in height and 0,225 of flange height for flanges $>$ 1.25 in height. In all cases round flange height to nearest 0.031 in.
Minimum flange width (B_{min})	Nominal section width $\leq$ 10 in : 0.81 in $>$ 10 in : 1.03 in	1,3 flange radius rounded to nearest 0.31 in	1,3 flange radius rounded to nearest 0.05 in	1,3 flange radius to the nearest 0.031 in
Rim width between flanges Increments (A)	0.25 in — up to 4.75 in width between flanges 0.50 in — 5 to 11.50 in width between flanges 1 in — 12 in width between flanges and over			
Flange edge radius (R_6)	0,062 in min.			

15 Inspection tolerances of rims

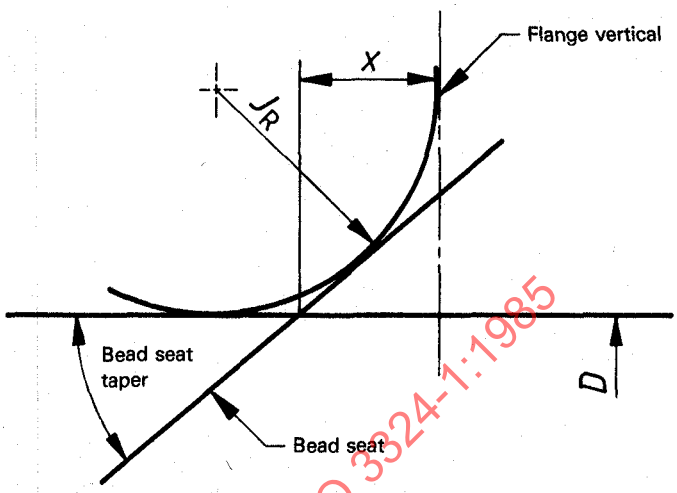
15.1 Dimensions in millimetres

Dimension	Tolerance	
	plus	minus
A	1,6	1,6
B_{min}	Minimum	
D	See 15.3.1	
G_{min}	Minimum	
J_R	0,25	0,25
F_R	0,40	0,40
H	0,25	0,25
Bead seat taper	30′	30′

15.2 Inch dimensions

Dimension	Tolerance	
	plus	minus
A	0.063	0.063
B_{min}	Minimum	
D	See 15.3.2	
G_{min}	Minimum	
J_R	0.010	0.010
F_R	0.016	0.016
H	0.010	0.010
Bead seat taper	30′	30′

15.3 Method of dimensioning and inspection tolerances for rim diameters, dimension D



X = 0,956 J_R (5° Bead seat taper)

= 0,868 J_R (15° Bead seat taper)

Figure 8 — Dimensioning of D specified rim diameter

15.3.1 Dimensions in millimetres

Diameter D	Tolerance	
	minus	plus
Up to 109	0	0,25
110 to 509	0	0,40
510 to 620	0	0,50
Over 620	0	0,60

15.3.2 Inch dimensions

Diameter D	Tolerance	
	minus	plus
Up to 4	0	0.010
5 to 20	0	0.015
21 to 24	0	0.019
Over 24	0	0.023

15.4 Design guide for rim flange height

For metric dimensions see figure 10; for inch dimensions see figure 11.

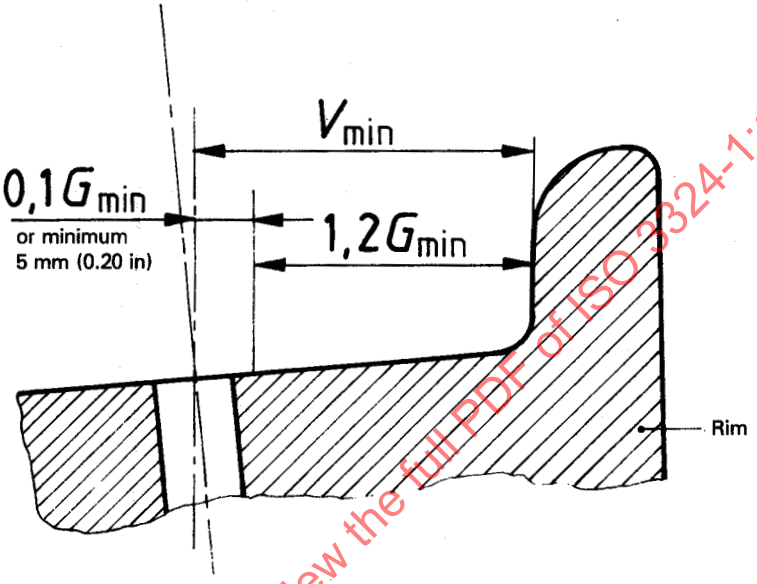
15.5 Design guide for width between rim flanges

See figure 12.

15.6 Valve hole and fusible plug hole locations for connections to valve or plug hole location (V_{min})

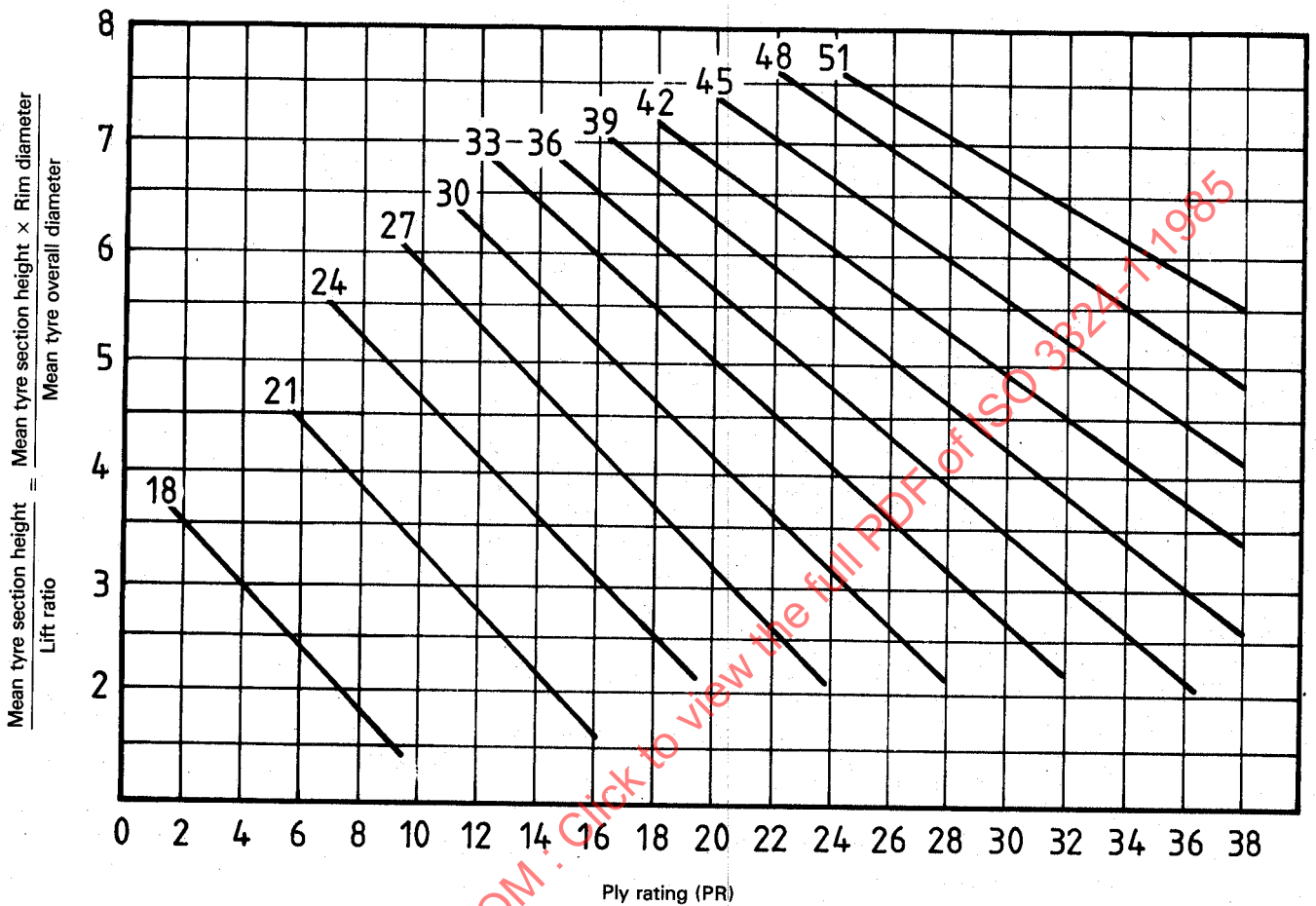
15.6.1 G_{min} = minimum ledge width

15.6.2 V_{min} = 1,2 G_{min} + {0,1 G_{min} [but 0,1 G_{min} is not less than 5 mm (0.20 in)]}



NOTE — Where V_{min} exceeds half the width between the flanges, the valve hole or connection to the valve hole must be located on the centre line of the wheel.

Figure 9 — Valve or plug hole location

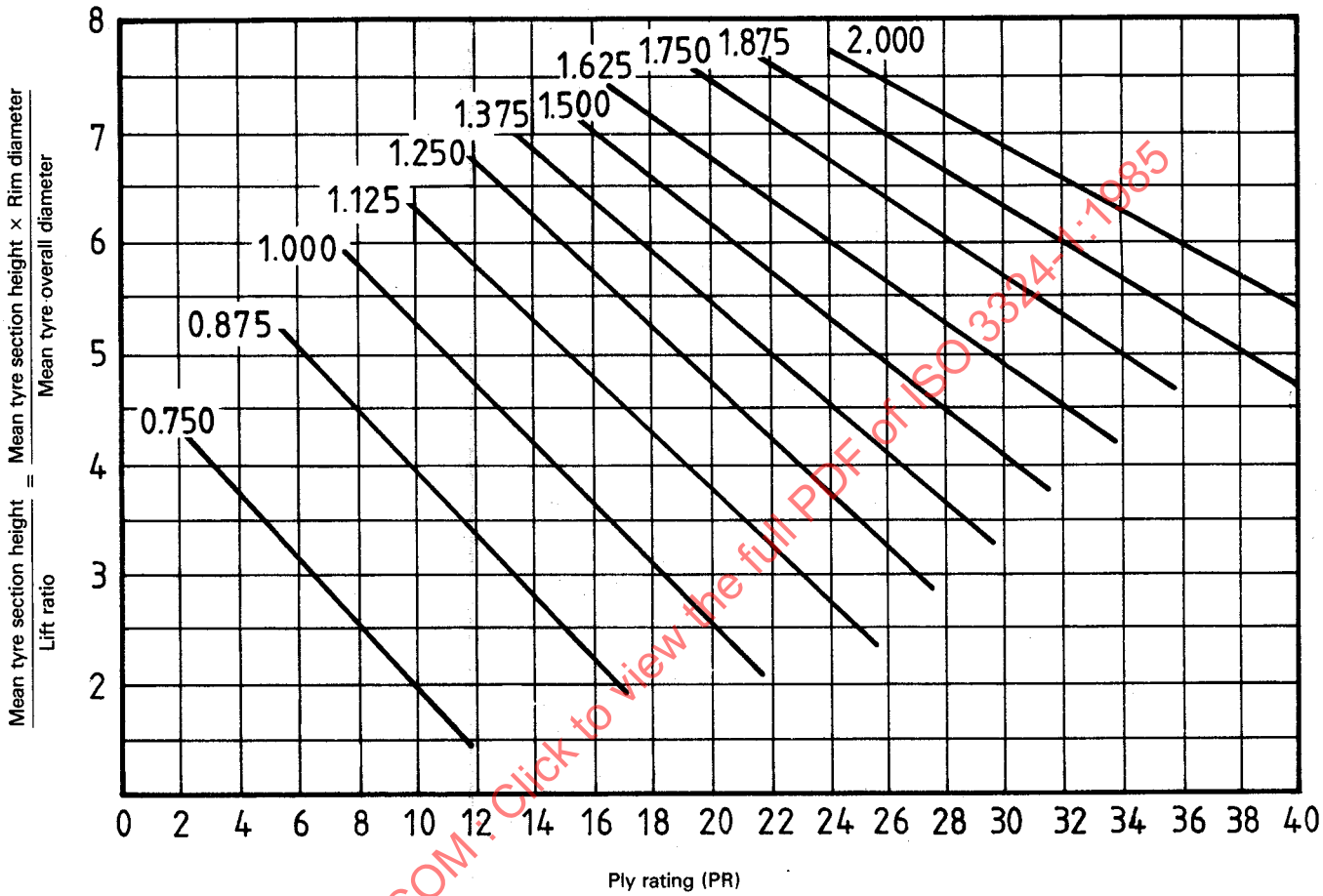


NOTES

1 Base flange height on the required PR plus 4 — to allow for increased aircraft weight.

2 When calculated value falls above a given curve, apply value applicable to the next higher curve.

Figure 10 — Rim flange height — Design guide — Metric units



NOTES

1 Base flange height on the required PR plus 4 — to allow for increased aircraft weight.

2 When calculated value falls above a given curve, apply value applicable to the next higher curve.

Figure 11 — Rim flange height — Design guide — Inch units

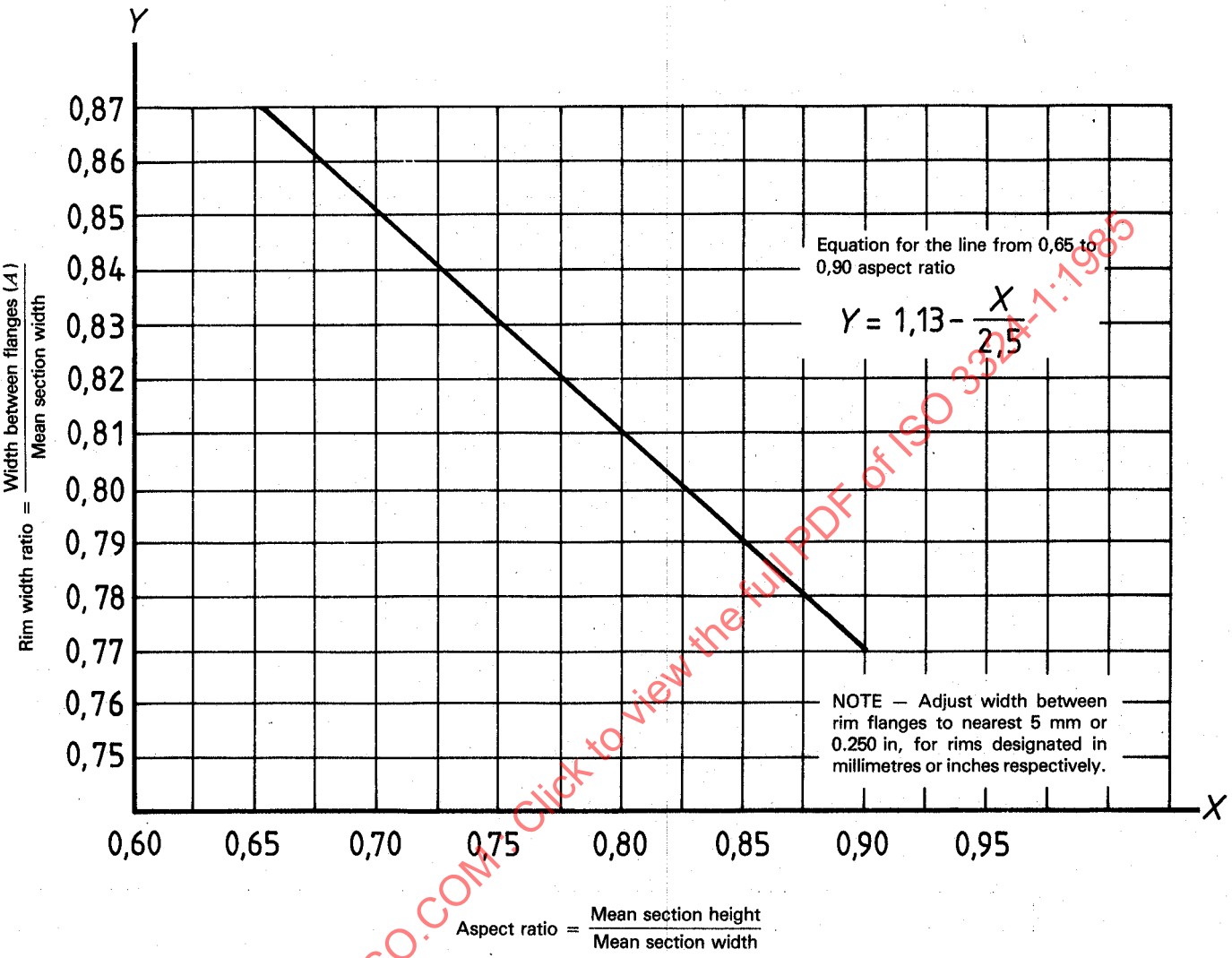


Figure 12 — Width between rim flanges (*A*) — Design guide

Annex

Aircraft tyre and rim data

(for information only)

This annex sets forth, as an information item, the data on aircraft tyres and rims as contained in European Tyre and Rim Technical Organization (ETRTO) and Tire and Rim Association (TRA) documents.

Table 1 — Type III aircraft tyres — Sizes 5.00-4 to 17.00-20

Table 2 — Type III aircraft tyres (ETRTO) — Sizes 5.00-5 to 20.00-20

Table 3 — Type VII aircraft tyres — Sizes 16 × 4.4 to 49 × 17

Table 4 — Type VII aircraft tyres (ETRTO) — Sizes 14.5 × 5.5-6 to 56 × 20.0-20

Table 5 — Type Heli aircraft tyres — Sizes 5.00-5 to 11.00-12

Table 6 — Aircraft tyres — Metric (ETRTO) Sizes 175 × 254 × 545 to 960 × 354-18

Table 7 — Type (New design) aircraft tyres — Sizes 14.5 × 5.5-6 to 22 × 7.75-10

Table 8 — Type (New) aircraft tyres — Sizes 22 × 8.0-8 to 56 × 20.0-20

NOTE — The maximum nose tyre load during braking equals 1,50 times the maximum load (column 4 of tables 3 to 8) for all tyres, except type III, tyres where the value is 1,45 times the maximum load (column 4 of tables 1 and 2).

Table 1 — Type III aircraft tyres

Tyre													Rim (inches)					Tube
Size Section width-Rim diameter	Ply rating	Aspect ratio	Rating			Inflated dimensions						Normal loaded radius**	Size	Width between flanges	Flange height	Minimum ledge width	Minimum well depth	Tube valve TR No. (Form)
			Maximum load	Inflation pressure		Widths			Diameters									
						Cross-section		Shoulder	Centre line		Shoulder							
				Loaded	Unloaded	min.	max.	max.	min.	max.	max.							
			kg lb	kPa* lbf/in²		mm in	mm in	mm in	mm in	mm in	mm in	mm in		A	H_F	G_{min}	I_{min}	
5.00-4	6	0.92	540 1 200	395 57	380 55	121 4.75	128 5.05	109 4.30	323 12.70	337 13.25	295 11.60	132 5.2	5.00-4	3.50	0.750	0.80	0.073	67 (A)
5.00-4	12	0.92	998 2 200	683 99	655 95	121 4.75	128 5.05	109 4.30	323 12.70	337 13.25	295 11.60	132 5.2	5.00-4	3.50	0.750	0.80	0.073	67 (A)
5.00-5	4	0.93	360 800	218 32	210 31	118 4.65	126 4.95	107 4.20	347 13.65	361 14.20	319 12.55	145 5.7	5.00-5	3.50	0.750	0.80	0.078	67 (A)
5.00-5	6	0.93	580 1 285	354 52	340 50	118 4.65	126 4.95	107 4.20	347 13.65	361 14.20	319 12.55	145 5.7	5.00-5	3.50	0.750	0.80	0.078	67 (A)
5.00-5 (ETRTO)	8	0.93	770 1 700	478 69	460 66	118 4.65	126 4.95	107 4.20	347 13.65	361 14.20	319 12.55	145 5.7	5.00-5	3.50	0.750	0.80	0.078	67 (A)
6.00-6	4	0.91	520 1 150	208 30	200 29	150 5.90	160 6.30	136 5.35	427 16.80	445 17.50	392 15.45	175 6.9	6.00-6	5.00	0.750	0.80	0.089	20
6.00-6	6	0.91	790 1 750	302 44	290 42	150 5.90	160 6.30	136 5.35	427 16.80	445 17.50	392 15.45	175 6.9	6.00-6	5.00	0.750	0.85	0.093	20
6.00-6	8	0.91	1 070 2 350	385 57	380 55	150 5.90	160 6.30	136 5.35	427 16.80	445 17.50	392 15.45	175 6.9	6.00-6	5.00	0.750	0.90	0.098	20
7.00-6	4	0.91	570 1 250	166 24	160 23	168 6.60	178 7.00	151 5.95	457 18.00	476 18.75	418 16.45	185 7.3	6.00-6	5.00	0.750	0.80	0.089	20
7.00-6	6	0.91	860 1 900	270 40	260 38	168 6.60	178 7.00	151 5.95	457 18.00	476 18.75	418 16.45	185 7.3	6.00-6	5.00	0.750	0.85	0.093	20
7.00-6	8	0.91	1 160 2 550	385 56	370 54	168 6.60	178 7.00	151 5.95	457 18.00	476 18.75	418 16.45	185 7.3	6.00-6	5.00	0.750	0.90	0.098	20
8.00-6	4	0.85	610 1 350	166 24	160 23	191 7.50	202 7.95	171 6.75	476 18.75	495 19.50	433 17.05	191 7.5	6.00-6	5.00	0.750	0.80	0.089	20
8.00-6	6	0.85	930 2 050	250 36	240 35	191 7.50	202 7.95	171 6.75	476 18.75	495 19.50	433 17.05	191 7.5	6.00-6	5.00	0.750	0.85	0.093	20
8.00-6	8	0.85	1 270 2 800	343 50	330 48	191 7.50	202 7.95	171 6.75	476 18.75	495 19.50	433 17.05	191 7.5	6.00-6	5.00	0.750	0.90	0.098	20
8.50-6	6	0.91	1 030 2 275	218 31	210 30	211 8.30	225 8.85	191 7.50	537 21.15	561 22.10	488 19.20	213 8.4	8.50-6	6.00	0.875	0.90	0.095	168 (A)

* 100 kPa = 1 bar

** Normal loaded radius $\frac{D_m}{2} - d$

Table 1 — Type III aircraft tyres (*continued*)

Tyre												Rim (inches)					Tube
Size Section width-Rim diameter	Ply rating	Aspect ratio	Rating			Inflated dimensions						Normal loaded radius**	Size	Width between flanges	Flange height	Minimum ledge width	Minimum well depth	Tube valve TR No. (Form)
			Maximum load	Inflation pressure		Widths			Diameters									
				Loaded	Unloaded	Cross-section		Shoulder	Centre line		Shoulder							
						min.	max.	max.	min.	max.	max.							
			kg lb	kPa* lbf/in²		mm in	mm in	mm in	mm in	mm in	mm in	mm in		A	H_F	G_{min}	I_{min}	
8.90-12.50	6	0.84	1 950 4 300	359 52	345 50	220 8.65	229 9.00	194 7.65	693 27.30	703 27.70	639 24.95	305 12.0	8.90-12.50	6.75	0.875	1.20	0.148	15
9.00-6	10	0.89	2 040 4 500	416 60	400 58	221 8.70	235 9.25	199 7.85	544 21.40	569 22.40	494 19.45	216 8.5	9.00-6	6.75	0.875	1.45	0.143	††69(A)
6.50-8	4	0.85	680 1 500	218 31	210 30	165 6.50	175 6.90	149 5.85	486 19.15	504 19.85	450 17.70	203 8.0	6.50-8	5.25	0.812	0.80	0.092	15
6.50-8	6	0.85	1 040 2 300	364 53	350 51	165 6.50	175 6.90	149 5.85	486 19.15	504 19.85	450 17.70	203 8.0	6.50-8	5.25	0.812	0.85	0.097	15
6.50-8	8	0.85	1 430 3 150	541 78	520 75	165 6.50	175 6.90	149 5.85	486 19.15	504 19.85	450 17.70	203 8.0	6.50-8	5.25	0.812	0.95	0.105	15
7.00-8	4	0.88	730 1 600	218 31	210 30	174 6.85	185 7.30	157 6.20	511 20.10	530 20.85	471 18.55	213 8.4	7.00-8	5.50	0.812	0.80	0.092	15
7.00-8	6	0.88	1 090 2 400	333 48	320 46	174 6.85	185 7.30	157 6.20	511 20.10	530 20.85	471 18.55	213 8.4	7.00-8	5.50	0.812	0.85	0.097	15
7.00-8	8	0.88	1 530 3 380	502 73	483 70	174 6.85	185 7.30	157 6.20	511 20.10	530 20.85	471 18.55	213 8.4	7.00-8	5.50	0.812	0.95	0.105	15
7.00-8 (ETRTO)	14	0.88	2 630 5 800	790 114	760 110	174 6.85	185 7.30	157 6.20	511 20.10	530 20.85	471 18.55	213 8.4	7.00-8	5.50	0.812	0.85	0.097	15
6.50-10	4	0.91	790 1 750	250 36	240 35	159 6.25	169 6.65	144 5.65	542 21.35	561 22.10	505 19.90	231 9.1	6.50-10	4.75	0.812	0.80	0.101	25
6.50-10	6	0.91	1 260 2 770	427 62	410 60	159 6.25	169 6.65	144 5.65	542 21.35	561 22.10	505 19.90	231 9.1	6.50-10	4.75	0.812	0.85	0.105	25
6.50-10	8	0.91	1 700 3 750	572 83	550 80	159 6.25	169 6.65	144 5.65	542 21.35	561 22.10	505 19.90	231 9.1	6.50-10	4.75	0.812	0.95	0.114	25
6.50-10	10	0.91	2 150 4 750	718 104	690 100	159 6.25	169 6.65	144 5.65	542 21.35	561 22.10	505 19.90	231 9.1	6.50-10	4.75	0.812	1.10	0.127	25
6.50-10	12	0.91	2 608 5 750	862 125	827 120	159 6.25	169 6.65	144 5.65	542 21.35	561 22.10	505 19.90	231 9.1	6.50-10	4.75	0.812	1.30	0.145	25
7.50-10	6	0.92	1 360 3 000	333 48	320 46	183 7.20	194 7.65	165 6.50	592 23.30	613 24.15	549 21.60	246 9.7	7.50-10	5.50	0.812	0.90	0.110	14M

* 100 kPa = 1 bar

** Normal loaded radius $\frac{D_m}{2} - d$

Table 1 — Type III aircraft tyres (*continued*)

Tyre												Rim (inches)					Tube
Size Section width-Rim diameter	Ply rating	Aspect ratio	Rating			Inflated dimensions						Normal loaded radius**	Size	Width between flanges	Flange height	Minimum ledge width	Minimum well depth	Tube valve TR No. (Form)
			Maximum load	Inflation pressure		Widths			Diameters									
				Loaded	Unloaded	Cross-section		Shoulder	Centre line		Shoulder							
						min.	max.	max.	min.	max.	max.							
			kg lb	kPa* lbf/in²		mm in	mm in	mm in	mm in	mm in	mm in	mm in		A	H_F	G_{min}	I_{min}	
7.50-10 (ETRTO)	8	0.92	1 760 3 880	447 66	430 63	183 7.20	194 7.65	165 6.50	592 23.30	613 24.15	549 21.60	246 9.7	7.50-10	5.50	0.812	0.90	0.110	14M
8.50-10	6	0.90	1 470 3 250	294 43	283 41	208 8.20	221 8.70	188 7.40	627 24.70	652 25.65	579 22.80	259 10.2	8.50-10	6.25	0.812	1.00	0.118	25
8.50-10	8	0.90	2 000 4 400	394 57	379 55	208 8.20	221 8.70	188 7.40	627 24.70	652 25.65	579 22.80	259 10.2	8.50-10	6.25	0.812	1.15	0.131	25
8.50-10	10	0.90	2 500 5 500	502 73	483 70	208 8.20	221 8.70	188 7.40	627 24.70	652 25.65	579 22.80	259 10.2	8.50-10	6.25	0.812	1.35	0.149	25
11.00-12	6	0.90	2 090 4 600	250 36	240 35	267 10.50	284 11.20	241 9.50	787 31.00	818 32.20	725 28.55	323 12.8	11.00-12	8.25	1.000	1.00	0.126	13CW
11.00-12	8	0.90	2 860 6 300	322 47	310 45	267 10.50	284 11.20	241 9.50	787 31.00	818 32.20	725 28.55	323 12.8	11.00-12	8.25	1.000	1.10	0.134	13CW
7.50-14	8	0.90	2 590 5 700	624 90	600 87	183 7.20	194 7.65	165 6.50	686 27.00	705 27.75	643 25.30	295 11.6	7.50-14	5.50	0.812	1.10	0.147	176A(E)
7.50-14	10	0.90	3 270 7 200	790 114	760 110	183 7.20	194 7.65	165 6.50	686 27.00	705 27.75	643 25.30	295 11.6	7.50-14	5.50	0.812	1.25	0.160	176A(E)
7.50-14	12	0.90	3 950 8 700	936 135	900 130	183 7.20	194 7.65	165 6.50	686 27.00	705 27.75	643 25.30	295 11.6	7.50-14	5.50	0.812	1.65	0.195	176A(E)
9.50-16	10	0.90	4 200 9 250	645 94	620 90	231 9.10	246 9.70	210 8.25	826 32.50	847 33.35	768 30.25	353 13.9	9.50-16	7.00	1.000	1.50	0.189	176A(E)
9.50-16	12	0.90	5 080 11 200	790 114	760 110	231 9.10	246 9.70	210 8.25	826 32.50	847 33.35	768 30.25	353 13.9	9.50-16	7.00	1.000	1.75	0.211	176A(E)
12.50-16	10	0.89	4 810 10 600	426 62	410 60	305 12.00	324 12.75	276 10.85	953 37.50	977 38.45	874 34.40	396 15.6	12.50-16	10.00	1.250	1.80	0.210	101(C)
12.50-16	12	0.89	5 800 12 800	541 78	520 75	305 12.00	324 12.75	276 10.85	953 37.50	977 38.45	874 34.40	396 15.6	12.50-16	10.00	1.250	1.90	0.218	101(C)
12.50-16	14	0.89	6 800 15 000	645 94	620 90	305 12.00	324 12.75	276 10.85	953 37.50	977 38.45	874 34.40	396 15.6	12.50-16	10.00	1.250	2.00	0.228	101(C)
12.50-16	16	0.89	7 800 17 200	749 109	720 105	305 12.00	324 12.75	276 10.85	953 37.50	977 38.45	874 34.40	396 15.6	12.50-16	10.00	1.250	2.10	0.236	101(C)

* 100 kPa = 1 bar

** Normal loaded radius $\frac{D_m}{2} - d$

Table 1 — Type III aircraft tyres (*concluded*)

Tyre												Rim (inches)					Tube
Size Section width-Rim diameter	Ply rating	Aspect ratio	Rating			Inflated dimensions						Normal loaded radius**	Size	Width between flanges	Flange height	Minimum ledge width	Minimum well depth	Tube valve TR No. (Form)
			Maximum load	Inflation pressure		Widths			Diameters									
				Loaded	Unloaded	Cross-section		Shoulder	Centre line		Shoulder							
						min.	max.	max.	min.	max.	max.							
			kg lb	kPa* lbf/in²		mm in	mm in	mm in	mm in	mm in	mm in	mm in		A	H_F	G_{min}	I_{min}	
15.00-12	14	0.83	5 761 12 700	469 68	448 65	354 13.95	373 14.70	317 12.50	898 35.35	922 36.30	811 31.95	358 14.1	15.00-12	11.00	1.000	2.50	0.257	176(A)
15.00-16	10	0.87	5 530 12 200	385 55	370 53	366 14.40	389 15.30	330 13.00	1 052 41.40	1 077 42.40	956 37.65	427 16.8	15.00-16	11.25	1.188	1.75	0.218	††99(D) †94(A)
15.00-16	14	0.87	7 760 17 100	499 73	480 70	366 14.40	389 15.30	330 13.00	1 052 41.40	1 077 42.40	956 37.65	429 16.9	15.00-16	11.25	1.375	1.90	0.224	††99(D) †94(A)
17.00-16	10	0.84	6 130 13 500	343 50	330 48	415 16.35	442 17.40	376 14.80	1 110 43.70	1 144 45.05	1 011 39.80	450 17.7	17.00-16	13.25	1.375	1.80	0.215	91(G)
17.00-16	12	0.84	7 260 16 000	426 62	410 60	415 16.35	442 17.40	376 14.80	1 110 43.70	1 144 45.05	1 011 39.80	450 17.7	17.00-16	13.25	1.375	2.00	0.233	91(G)
15.50-20	12	0.80	8 160 18 000	541 78	520 75	382 15.05	406 16.00	345 13.60	1 125 44.30	1 149 45.25	1 034 40.70	472 18.6	17.00-20	13.25	1.625	2.10	0.256	92(C)
15.50-20	14	0.80	9 440 20 800	645 94	620 90	382 15.05	406 16.00	345 13.60	1 125 44.30	1 149 45.25	1 034 40.70	472 18.6	17.00-20	13.25	1.625	2.20	0.265	92(C)
15.50-20	16	0.80	10 890 24 000	749 109	720 105	382 15.05	406 16.00	345 13.60	1 125 44.30	1 149 45.25	1 034 40.70	472 18.6	17.00-20	13.25	1.625	2.40	0.283	92(C)
15.50-20	20	0.80	13 560 29 900	967 140	930 135	382 15.05	406 16.00	345 13.60	1 125 44.30	1 149 45.25	1 034 40.70	472 18.6	17.00-20	13.25	1.625	2.85	0.322	92(C)
17.00-20	16	0.84	11 560 25 500	686 99	660 95	417 16.40	438 17.25	372 14.65	1 212 47.70	1 238 48.75	1 107 43.60	500 19.7	17.00-20	13.25	1.625	2.50	0.291	92(C)
17.00-20	20	0.84	14 290 31 500	863 125	830 120	417 16.40	438 17.25	372 14.65	1 212 47.70	1 238 48.75	1 107 43.60	500 19.7	17.00-20	13.25	1.625	2.65	0.304	92(C)
17.00-20	22	0.84	15 650 34 500	936 135	900 130	417 16.40	438 17.25	372 14.65	1 212 47.70	1 238 48.75	1 107 43.60	503 19.8	17.00-20	13.25	1.750	2.80	0.318	92(C)
17.00-20 (ETRTO)	14	0.84	10 210 22 500	499 73	480 70	417 16.40	438 17.25	372 14.65	1 212 47.70	1 238 48.75	1 107 43.60	500 19.7	17.00-20	13.25	1.625	2.35	0.280	92(C)

* 100 kPa = 1 bar

** Normal loaded radius $\frac{D_m}{2} - d$

Table 2 — Type III aircraft tyres (ETRTO)

Tyre												Rim (inches)					Tube
Size Section width-Rim diameter	Ply rating	Aspect ratio	Rating			Inflated dimensions						Normal loaded radius	Size	Width between flanges	Flange height	Minimum ledge width	Minimum well depth	Tube valve TR No. (Form)
			Maximum load	Inflation pressure		Widths			Diameters									
				Loaded	Unloaded	Cross-section		Shoulder	Centre line		Shoulder							
						min.	max.	max.	min.	max.	max.							
			kg lb	kPa* lbf/in²		mm in	mm in	mm in	mm in	mm in	mm in	mm in		A	H_F	G_{min}	I_{min}	
5.00-5	4	0.93	360 790	230 33	220 32	120 4.65	125 4.95	105 4.20	345 13.65	360 14.20	320 12.55	145 5.7	5.00-5	3.50	0.750	0.80	0.078	67 (A)
5.00-5	6	0.93	570 1 260	360 52	340 49	120 4.65	125 4.95	105 4.20	345 13.65	360 14.20	320 12.55	145 5.7	5.00-5	3.50	0.750	0.80	0.078	67 (A)
5.00-5	8	0.93	770 1 700	478 69	460 66	118 4.65	126 4.95	107 4.20	347 13.65	361 14.20	319 12.55	145 5.7	5.00-5	3.50	0.750	0.80	—	**
6.00-6	4	0.91	520 1 150	210 31	200 29	150 5.90	160 6.30	135 5.35	425 16.80	445 17.50	390 15.45	175 6.9	6.00-6	5.00	0.750	0.80	0.089	20
6.00-6	6	0.91	790 1 740	310 45	290 42	150 5.90	160 6.30	135 5.35	425 16.80	445 17.50	390 15.45	175 6.9	6.00-6	5.00	0.750	0.85	0.093	20
6.00-6	8	0.91	1 070 2 360	400 58	380 55	150 5.90	160 6.30	135 5.35	425 16.80	445 17.50	390 15.45	175 6.9	6.00-6	5.00	0.750	0.90	0.093	20
6.50-8	6	0.85	1 040 2 290	370 54	350 51	165 6.50	175 6.90	150 5.85	485 19.15	505 19.85	450 17.70	205 8.0	6.50-8	5.25	0.812	0.85	0.097	15
6.50-8	8	0.85	1 430 3 150	550 78	520 75	165 6.50	175 6.90	150 5.85	485 19.15	505 19.85	450 17.70	205 8.0	6.50-8	5.25	0.812	0.95	0.105	15
6.50-10	6	0.91	1 260 2 780	440 64	420 61	160 6.25	170 6.65	145 5.65	540 21.35	560 22.10	505 19.90	230 9.10	6.50-10	4.75	0.812	0.85	0.105	25
6.50-10	8	0.91	1 700 3 750	580 84	550 80	160 6.25	170 6.65	145 5.65	540 21.35	560 22.10	505 19.90	230 9.10	6.50-10	4.75	0.812	0.95	0.114	25
6.50-10	10	0.91	2 155 4 750	720 104	690 100	160 6.25	170 6.65	145 5.65	540 21.35	560 22.10	505 19.90	230 9.10	6.50-10	4.75	0.812	1.10	0.127	25
6.50-10	12	0.91	2 605 5 740	860 125	830 120	160 6.25	170 6.65	145 5.65	540 21.35	560 22.10	505 19.90	230 9.10	6.50-10	4.15	0.812	1.30	0.145	25
7.00-6	4	0.91	570 1 260	170 25	160 24	170 6.60	180 7.00	150 5.95	455 18.00	475 18.75	420 16.45	185 7.3	6.00-6	5.00	0.750	0.80	0.089	20
7.00-6	6	0.91	860 1 900	270 39	260 38	170 6.60	180 7.00	150 5.95	455 18.00	475 18.75	420 16.45	185 7.3	6.00-6	5.00	0.750	0.85	0.093	20
7.25-6	8	0.91	1 130 2 490	440 64	420 61	165 6.55	175 6.95	150 5.95	420 16.60	435 17.25	385 15.20	175 6.95	6.00-6	5.75	0.800	1.05	0.098	20

* 100 kPa = 1 bar

** Reference valve data not available.

Table 2 — Type III aircraft tyres (ETRTO) (*continued*)

Tyre												Rim (inches)					Tube
Size Section width-Rim diameter	Ply rating	Aspect ratio	Rating			Inflated dimensions						Normal loaded radius	Size	Width between flanges	Flange height	Minimum ledge width	Minimum well depth	Tube valve TR No. (Form)
			Maximum load	Inflation pressure		Widths			Diameters									
				Loaded	Unloaded	Cross-section		Shoulder	Centre line		Shoulder							
						min.	max.	max.	min.	max.	max.							
			kg lb	kPa* lbf/in²		mm in	mm in	mm in	mm in	mm in	mm in	mm in		A	H_F	G_{min}	I_{min}	
7.50-10	6	0.92	1 360 3 000	340 49	320 46	183 7.20	194 7.65	165 6.50	592 23.30	613 24.15	549 21.60	246 9.70	7.50-10	5.50	0.812	0.90	0.110	14
7.50-10	8	0.92	1 760 3 880	460 67	440 64	183 7.20	194 7.65	165 6.50	592 23.30	613 24.15	549 21.60	246 9.70	7.50-10	5.50	0.812	0.90		**
7.50-14	8	0.90	2 590 5 710	630 91	600 87	185 7.20	195 7.65	165 6.50	685 27.00	705 27.75	645 25.30	295 11.60	7.50-14	5.50	0.812	1.10	0.147	176A(E)
7.50-14	12	0.90	3 950 8 710	830 135	900 130	185 7.20	195 7.65	165 6.50	685 27.00	705 27.75	645 25.30	295 11.60	7.50-14	5.50	0.812	1.65	0.160	176A(E)
8.00-7	6	0.79	1 520 3 350	440 64	420 61	200 7.80	210 8.20	175 6.80	490 19.30	510 20.10	440 17.25	205 8.05	8.00-7	6.50	0.850	1.375		**
8.50-6	6	0.90	1 030 2 270	220 32	210 30	210 8.30	225 8.85	190 7.50	535 21.15	560 22.10	490 19.20	215 8.40	8.50-6	6.00	0.875	0.90	0.095	20
8.50-10	6	0.90	1 470 3 240	300 43	290 42	210 8.20	220 8.70	190 7.40	625 24.70	650 25.65	580 22.80	260 10.20	8.50-10	6.25	0.812	1.00	0.118	25
8.50-10	8	0.90	2 000 4 410	410 59	380 55	210 8.20	220 8.70	190 7.40	625 24.70	650 25.65	580 22.80	260 10.20	8.50-10	6.25	0.812	1.15	0.131	25
8.50-10	10	0.90	2 490 5 490	510 74	490 71	210 8.20	220 8.70	190 7.40	625 24.70	650 25.65	580 22.80	260 10.20	8.50-10	6.25	0.812	1.35	0.149	25
9.00-10	10	0.84	2 640 5 820	460 67	440 64	225 8.25	240 9.35	205 7.95	620 24.40	640 25.20	565 22.20	260 10.25	9.00-10	7.75	0.875	1.65		**
9.25-12	8	0.86	2 540 5 600	426 62	410 60	229 9.00	241 9.50	206 8.10	696 27.40	716 28.20	643 25.30	290 11.40	9.25-12	7.00	0.88	1.12	—	**
9.50-16	10	0.90	4 200 9 260	650 94	620 90	230 9.10	245 9.70	210 8.25	825 32.50	845 33.35	770 30.25	355 13.90	9.50-16	7.00	1.000	1.50	0.189	176A(E)
9.50-16	12	0.90	5 080 11 200	790 115	760 110	230 9.10	245 9.70	210 8.25	825 32.50	845 33.35	770 30.25	355 13.90	9.50-16	7.00	1.000	1.75	0.211	176A(E)
10.50-16	10	0.90	4 350 9 600	541 78	520 75	254 10.00	267 10.50	227 8.95	859 33.80	884 34.80	798 31.40	363 14.30	10.50-16	8.25	1.13	1.60	—	**
10.50-16	12	0.90	5 260 11 600	645 94	620 90	254 10.00	267 10.50	227 8.95	859 33.80	884 34.80	798 31.40	363 14.30	10.50-16	8.25	1.13	1.60	—	**

* 100 kPa = 1 bar

** Reference valve data not available.

Table 2 — Type III aircraft tyres (ETRTO) (*concluded*)

Tyre												Rim (inches)					Tube
Size Section width-Rim diameter	Ply rating	Aspect ratio	Rating			Inflated dimensions						Normal loaded radius	Size	Width between flanges	Flange height	Minimum ledge width	Minimum well depth	Tube valve TR No. (Form)
			Maximum load	Inflation pressure		Widths			Diameters									
				Loaded	Unloaded	Cross-section		Shoulder	Centre line		Shoulder							
						min.	max.	max.	min.	max.	max.							
			kg lb	kPa* lbf/in²		mm in	mm in	mm in	mm in	mm in	mm in	mm in		A	H_F	G_{min}	I_{min}	
11.00-12	6	0.90	2 090 4 610	250 36	240 35	265 10.50	285 11.20	240 9.50	785 31.00	820 32.00	725 28.55	323 12.70	11.00-12	8.25	1.000	1.00	0.126	13
11.00-12	8	0.90	2 860 6 310	330 48	310 45	265 10.50	285 11.20	240 9.50	785 31.00	820 32.00	725 28.55	323 12.70	11.00-12	8.25	1.000	1.00	0.134	13
11.00-12	10	0.90	3 730 8 220	440 64	420 61	265 10.50	285 11.20	240 9.50	785 31.00	820 32.00	725 28.55	323 12.70	11.00-12	8.25	1.000	1.00	—	**
12.50-16	10	0.89	4 810 10 610	440 64	420 61	305 12.00	325 12.75	275 10.85	955 37.50	915 38.45	875 34.40	395 15.60	12.50-16	10.00	1.250	1.80	0.210	101(C)
12.50-16	12	0.89	5 800 12 790	540 78	520 75	305 12.00	325 12.75	275 10.85	955 37.50	915 38.45	875 34.40	395 15.60	12.50-16	10.00	1.250	1.90	0.218	101(C)
12.50-16	14	0.89	6 800 15 000	650 94	620 90	305 12.00	325 12.75	275 10.85	955 37.50	975 38.45	875 34.40	395 15.60	12.50-16	10.00	1.250	2.40	0.228	101(C)
15.00-16	10	0.87	5 530 12 190	390 57	370 54	365 14.40	390 15.30	330 13.00	1 050 41.40	1 075 42.40	955 37.65	430 16.90	15.00-16	11.25	1.188	1.75	0.218	**
15.00-16	14	0.87	7 760 17 110	510 74	490 71	365 14.40	390 15.30	330 13.00	1 050 41.40	1 075 42.40	955 37.65	430 16.90	15.00-16	11.25	1.188	1.75	0.224	**
15.00-16	15	0.87	8 940 19 710	580 84	560 81	365 14.40	390 15.30	330 13.00	1 050 41.40	1 075 42.40	955 37.65	430 16.90	15.00-16	11.25	1.188	1.75	—	**
15.50-20	14	0.80	9 440 20 800	650 94	620 90	380 15.05	405 16.00	345 13.60	1 175 44.30	1 150 45.25	1 035 40.70	470 18.60	17.00-20	13.25	1.625	2.20	0.265	92(C)
15.50-20	16	0.80	10 890 24 000	760 110	730 106	380 15.05	405 16.00	345 13.60	1 175 44.30	1 150 45.25	1 035 40.70	470 18.60	17.00-20	13.25	1.625	2.40	0.283	92(C)
15.50-20	20	0.80	13 560 29 900	970 141	930 135	380 15.05	405 16.00	345 13.60	1 175 44.30	1 150 45.25	1 035 40.70	470 18.60	17.00-20	13.25	1.625	2.85	0.322	92(C)
20.00-20	22	0.90	17 460 38 500	686 100	660 95	488 19.20	511 20.10	434 17.10	1 379 54.30	1 422 56.00	1 257 49.50	559 22.00	20.00-20	15.50	2.00	3.50	0.370	**
20.00-20	26	0.90	21 090 46 500	894 130	860 125	488 19.20	511 20.10	434 17.10	1 379 54.30	1 422 56.00	1 257 49.50	559 22.00	20.00-20	15.50	2.00	3.50	0.370	**

* 100 kPa = 1 bar

** Reference valve data not available.

Table 3 — Type VII aircraft tyres

Tyre												Rim (inches)					Tube
Size Overall diameter × section width	Ply rating	Aspect ratio	Rating	Inflation pressure		Inflated dimensions					Normal loaded radius	Width between flanges	Ledge diameter	Flange height	Minimum ledge width	Minimum well depth	Tube valve TR No. (Form)
			Maximum load	Loaded	Unloaded	Widths			Diameters								
						Cross-section		Shoulder	Centre line		Shoulder						
						min.	max.	max.	min.	max.	max.						
			kg lb	kPa* lbf/in²		mm in	mm in	mm in	mm in	mm in	mm in	mm in	A		H_F	G_{min}	I_{min}	
16 × 4.4	4	0.90	500 1 100	385 57	380 55	105 4.15	113 4.45	99 3.90	394 15.50	406 16.00	370 14.55	175 6.9	3.50	8.0	0.812	0.80	0.088	**
16 × 4.4	6	0.90	720 1 700	609 88	586 85	105 4.15	113 4.45	99 3.90	394 15.50	406 16.00	370 14.55	175 6.9	3.50	8.0	0.812	0.90	0.100	**
18 × 4.4	6	0.89	955 2 100	718 104	690 100	105 4.15	113 4.45	99 3.90	442 17.40	455 17.90	419 16.50	201 7.9	3.50	10.0	0.812	1.05	0.120	**
18 × 4.4	8	0.89	1 293 2 850	1 076 156	1 034 150	105 4.15	113 4.45	99 3.90	442 17.40	455 17.90	419 16.50	201 7.9	3.50	10.0	0.812	1.10	0.127	**
18 × 4.4	10	0.89	1 620 3 550	1 331 192	1 280 185	105 4.15	113 4.45	99 3.90	442 17.40	445 17.90	419 16.50	201 7.9	3.50	10.0	0.812	1.25	0.138	**
18 × 4.4	12	0.89	1 970 4 350	1 612 234	1 550 225	105 4.15	113 4.45	99 3.90	442 17.40	455 17.90	419 16.50	201 7.9	3.50	10.0	0.812	1.25	0.138	**
18 × 5.5	8	0.87	1 380 3 050	749 109	720 105	136 5.35	146 5.75	127 5.00	439 17.30	455 17.90	411 16.20	191 7.5	4.25	8.0	0.875	1.25	0.130	**
18 × 5.5	10	0.87	1 810 4 000	1 009 146	970 140	136 5.35	146 5.75	127 5.00	439 17.30	455 17.90	411 16.20	191 7.5	4.25	8.0	0.875	1.40	0.143	**
26 × 6.6	8	0.88	2 400 5 300	863 125	830 120	159 6.25	169 6.65	149 5.85	636 25.05	654 25.75	598 23.55	284 11.2	5.00	14.0	1.000	1.30	0.153	**
26 × 6.6	10	0.88	3 130 6 900	1 113 161	1 070 155	159 6.25	169 6.65	149 5.85	636 25.05	654 25.75	598 23.55	284 11.2	5.00	14.0	1.000	1.40	0.166	**
26 × 6.6	12	0.88	3 900 8 600	1 331 192	1 280 185	159 6.25	169 6.65	149 5.85	636 25.05	654 25.75	598 23.55	284 11.2	5.00	14.0	1.000	1.50	0.179	176A(G)
26 × 6.6	14	0.88	4 540 10 000	1 612 234	1 550 225	159 6.25	169 6.65	149 5.85	636 25.05	654 25.75	598 23.55	284 11.2	5.00	14.0	1.000	1.70	0.197	176A(G)
24 × 7.7	10	0.92	2 460 5 400	645 94	620 90	183 7.20	194 7.65	172 6.75	593 23.30	614 24.15	546 21.50	254 10.0	5.50	10.0	0.906	1.25	0.140	14M
24 × 7.7	12	0.92	3 090 6 800	790 114	760 110	183 7.20	194 7.65	172 6.75	593 23.30	614 24.15	546 21.50	254 10.0	5.50	10.0	0.906	1.50	0.159	**
24 × 7.7	14	0.92	3 730 8 200	967 140	930 135	183 7.20	194 7.65	172 6.75	593 23.30	614 24.15	546 21.50	254 10.0	5.50	10.0	0.906	1.60	0.162	14M

* 100 kPa = 1 bar

** Reference valve data not available.

Table 3 — Type VII aircraft tyres (*continued*)

Tyre												Rim (inches)					Tube
Size Overall diameter × section width	Ply rating	Aspect ratio	Rating			Inflated dimensions						Normal loaded radius	Width between flanges	Ledge diameter	Flange height	Minimum ledge width	Minimum well depth	Tube valve TR No. (Form)
			Maximum load	Inflation pressure		Widths			Diameters									
				Loaded	Unloaded	Cross-section		Shoulder	Centre line		Shoulder							
						min.	max.	max.	min.	max.	max.							
			kg lb	kPa* lbf/in²		mm in	mm in	mm in	mm in	mm in	mm in	mm in	A		H_F	G_{min}	I_{min}	
24 × 7.7	16	0.92	4 420 9 730	1 186 172	1 140 165	183 7.20	194 7.65	172 6.75	593 23.30	614 24.15	546 21.50	254 10.0	5.50	10.0	0.906	1.70	0.180	14M
24 × 7.7	18	0.92	5 085 11 200	1 362 198	1 310 190	183 7.20	194 7.65	171 6.75	592 23.30	613 24.15	546 21.50	254 10.0	5.50	10.0	0.906	1.80	0.188	**
28 × 7.7	8	0.85	2 610 5 750	718 104	690 100	188 7.40	199 7.85	177 6.95	676 26.60	696 27.40	633 24.90	298 11.7	6.00	14.0	1.000	1.25	0.158	**
28 × 7.7	10	0.85	3 360 7 400	894 130	860 125	188 7.40	189 7.85	177 6.95	676 26.60	696 27.40	633 24.90	298 11.7	6.00	14.0	1.000	1.25	0.158	**
29 × 7.7	12	0.85	4 450 9 800	1 144 166	1 100 160	188 7.40	199 7.85	177 6.95	701 27.60	721 28.40	658 25.90	310 12.2	6.00	15.0	1.000	1.65	0.198	**
29 × 7.7	16	0.85	6 260 13 800	1 643 239	1 580 230	188 7.40	199 7.85	177 6.95	701 27.60	721 28.40	658 25.90	310 12.2	6.00	15.0	1.000	2.00	0.228	**
30 × 7.7	12	0.85	4 720 10 400	1 186 172	1 140 165	188 7.40	199 7.85	177 6.95	726 28.60	747 29.40	684 26.90	322 12.7	6.00	16.0	1.000	1.65	0.203	176A(D)
30 × 8.8	18	0.87	7 500 16 500	1 581 229	1 520 220	212 8.35	226 8.90	201 7.90	749 29.50	772 30.40	696 27.40	328 12.9	7.00	15.0	1.125	2.10	0.234	102(E)
32 × 8.8	8	0.84	3 090 6 800	686 99	660 95	212 8.35	226 8.90	201 7.90	763 30.05	787 31.00	712 28.05	338 13.3	7.00	16.0	1.125	1.40	0.181	176A(D)
32 × 8.8	10	0.84	3 940 8 700	822 120	790 115	212 8.35	226 8.90	201 7.90	763 30.05	787 31.00	712 28.05	338 13.3	7.00	16.00	1.13	1.65	0.203	**
32 × 8.8	12	0.84	4 990 11 000	1 009 146	970 140	212 8.35	226 8.90	201 7.90	763 30.05	787 31.00	712 28.05	338 13.3	7.00	16.00	1.125	1.65	0.203	176A(D)
32 × 8.8	14	0.84	5 900 13 000	1 217 177	1 170 170	212 8.35	226 8.90	201 7.90	763 30.05	787 31.00	712 28.05	338 13.3	7.00	16.00	1.125	1.75	0.211	176A(D)
32 × 8.8	18	0.84	7 850 17 300	1 612 234	1 550 225	212 8.35	226 8.90	201 7.90	763 30.05	787 31.00	712 28.05	338 13.3	7.00	16.00	1.125	2.00	0.233	176A(D)
34 × 9.9	10	0.86	4 170 9 200	686 99	660 95	242 9.55	259 10.20	224 8.80	825 32.45	848 33.40	765 30.10	361 14.2	8.00	16.00	1.250	1.75	0.211	176A(D)
34 × 9.9	12	0.86	5 080 11 200	822 120	790 115	242 9.55	259 10.20	224 8.80	825 32.45	848 33.40	765 30.10	361 14.2	8.00	16.00	1.250	1.80	0.216	176A(D)

* 100 kPa = 1 bar

** Reference valve data not available.

Table 3 — Type VII aircraft tyres (*continued*)

Tyre												Rim (inches)					Tube
Size Overall diameter × section width	Ply rating	Aspect ratio	Rating			Inflated dimensions						Normal loaded radius	Width between flanges	Ledge diameter	Flange height	Minimum ledge width	Minimum well depth	Tube valve TR No. (Form)
			Maximum load	Inflation pressure		Widths			Diameters									
				Loaded	Unloaded	Cross-section		Shoulder	Centre line		Shoulder							
						min.	max.	max.	min.	max.	max.							
			kg lb	kPa* lbf/in²		mm in	mm in	mm in	mm in	mm in	mm in	mm in	A		H_F	G_{min}	I_{min}	
34 × 9.9 (ETRTO)	14	0.86	6 350 14 020	1 071 156	1 030 150	242 9.55	259 10.20	224 8.80	825 32.45	848 33.40	765 30.10	361 14.2	8.00	16.00	1.250	1.90	0.225	176A(D)
34 × 11	18	0.87	7 300 16 100	1 040 151	1 000 145	269 10.60	287 11.30	253 9.95	828 32.60	848 33.40	760 29.90	354 13.9	9.00	14.00	1.500	2.45	0.255	**
34 × 11	20	0.87	8 300 18 300	1 186 172	1 140 165	269 10.60	287 11.30	253 9.95	828 32.60	848 33.40	760 29.90	354 13.9	9.00	14.00	1.500	2.60	0.268	**
34 × 11	22	0.87	9 300 20 500	1 321 192	1 270 185	269 10.60	287 11.30	253 9.95	828 32.60	846 33.40	760 29.90	354 13.9	9.00	14.00	1.500	2.70	0.277	**
36 × 11	14	0.83	6 350 14 000	863 125	830 120	275 10.80	292 11.50	257 10.10	864 34.00	887 35.10	804 31.65	374 14.7	9.00	16.00	1.375	2.00	0.228	93(D)
36 × 11	20	0.83	9 530 21 000	1 321 192	1 270 185	275 10.80	292 11.50	257 10.10	864 34.00	887 35.10	804 31.65	374 14.7	9.00	16.00	1.375	2.60	0.280	**
36 × 11	22	0.83	10 578 23 300	1 434 208	1 379 200	274 10.80	292 11.50	257 10.10	864 34.00	892 35.10	804 31.65	373 14.7	9.00	16.00	1.375	2.80	0.298	**
38 × 11	14	0.83	6 990 15 400	936 135	900 130	275 10.80	292 11.50	257 10.10	864 36.00	943 37.10	855 33.65	399 15.7	9.00	18.00	1.375	2.00	0.238	92(C)
39 × 13	26	0.86	13 734 30 250	1 469 213	1 413 205	311 12.25	330 13.00	291 11.45	947 37.30	972 38.25	870 34.25	401 15.8	10.00	16.0	1.375	3.10	0.324	**
40 × 12	16	0.88	8 390 18 500	936 135	900 130	298 11.70	314 12.35	277 10.90	975 38.40	1 000 39.40	902 35.50	422 16.6	10.00	18.00	1.500	2.40	0.270	91(C)
40 × 12	18	0.88	9 530 21 000	1 071 156	1 030 150	298 11.70	314 12.35	277 10.90	975 38.40	1 000 39.40	902 35.50	422 16.6	10.00	18.00	1.500	2.50	0.279	91(C)
40 × 12	20	0.88	10 840 23 900	1 217 177	1 170 170	298 11.70	314 12.35	277 10.90	975 38.40	1 000 39.40	902 35.50	422 16.6	10.00	18.00	1.500	2.60	0.287	**
40 × 12	22	0.88	12 120 26 700	1 362 198	1 310 190	298 11.70	314 12.35	277 10.90	975 38.40	1 000 39.40	902 35.50	422 16.6	10.00	18.00	1.500	2.75	0.300	**
39 × 13	14	0.86	6 810 15 000	718 104	690 100	311 12.25	330 13.00	291 11.45	947 37.30	972 38.25	870 34.25	401 15.8	10.00	16.00	1.250	2.20	0.245	**
39 × 13	16	0.86	7 800 17 200	822 120	790 115	311 12.25	330 13.00	291 11.45	947 37.30	972 38.25	870 34.25	401 15.8	10.00	16.00	1.250	2.30	0.254	**

* 100 kPa = 1 bar

** Reference valve data not available.

Table 3 — Type VII aircraft tyres (*continued*)

Tyre												Rim (inches)					Tube
Size Overall diameter × section width	Ply rating	Aspect ratio	Rating			Inflated dimensions						Normal loaded radius	Width between flanges	Ledge diameter	Flange height	Minimum ledge width	Minimum well depth	Tube valve TR No. (Form)
			Maximum load	Inflation pressure		Widths			Diameters									
				Loaded	Unloaded	Cross-section		Shoulder	Centre line		Shoulder							
						min.	max.	max.	min.	max.	max.							
			kg lb	kPa* lbf/in²		mm in	mm in	mm in	mm in	mm in	mm in	mm in	A		H_F	G_{min}	I_{min}	
39 × 13	18	0.86	8 800 19 400	936 135	900 130	311 12.25	330 13.00	291 11.45	947 37.30	972 38.25	870 34.25	401 15.8	10.00	16.00	1.375	2.50	0.271	**
39 × 13	20	0.86	10 120 22 300	1 071 156	1 030 150	311 12.25	330 13.00	291 11.45	947 37.30	972 38.25	870 34.25	401 15.8	10.00	16.00	1.375	2.75	0.293	**
39 × 13	22	0.86	11 170 24 600	1 186 172	1 140 165	311 12.25	330 13.00	291 11.45	947 37.30	972 38.25	870 34.25	401 15.8	10.00	16.00	1.375	2.80	0.298	**
44 × 13	16	0.87	9 340 20 600	790 114	760 110	325 12.80	343 13.50	300 11.80	1 074 42.30	1 106 43.55	1 002 39.45	467 18.4	11.00	20.00	1.875	2.50	0.282	193
44 × 13	26	0.87	16 240 35 800	1 508 218	1 450 210	325 12.80	343 13.50	300 11.80	1 074 42.30	1 106 43.55	1 002 39.45	467 18.4	11.00	20.00	1.875	3.00	0.326	193
40 × 14 (ETRTO)	14	0.86	6 760 14 900	645 94	620 90	337 13.25	356 14.00	305 12.00	988 38.85	1 011 39.10	892 35.10	419 16.5	11.00	16.00	1.630	2.30	0.250	**
40 × 14	16	0.86	7 850 17 300	749 109	720 105	337 13.25	356 14.00	305 12.00	987 38.85	1 011 39.80	892 35.10	419 16.5	11.00	16.00	1.625	2.40	0.254	**
40 × 14	18	0.86	8 980 19 800	863 125	830 120	337 13.25	356 14.00	305 12.00	987 38.85	1 011 39.80	892 35.10	419 16.5	11.00	16.00	1.625	2.50	0.267	**
40 × 14	20	0.86	10 120 22 300	967 140	930 135	337 13.25	356 14.00	305 12.00	987 38.85	1 011 39.80	892 35.10	419 16.5	11.00	16.00	1.625	2.65	0.280	**
40 × 14	22	0.86	11 340 25 000	1 113 161	1 070 155	337 13.25	356 14.00	305 12.00	987 38.85	1 011 39.80	892 35.10	419 16.5	11.00	16.00	1.625	2.80	0.293	**
40 × 14	24	0.86	12 570 27 700	1 217 177	1 170 170	337 13.25	356 14.00	305 12.00	987 38.85	1 011 39.80	892 35.10	419 16.5	11.00	16.00	1.625	2.95	0.306	**
40 × 14	26	0.86	13 840 30 500	1 331 192	1 280 185	337 13.25	356 14.00	305 12.00	987 38.85	1 011 39.80	892 35.10	419 16.5	11.00	16.00	1.625	3.10	0.320	**
40 × 14	28	0.89	15 014 33 100	1 434 208	1 379 200	337 13.25	356 14.00	305 12.00	987 38.85	1 011 39.80	892 35.10	419 16.5	11.00	16.00	1.625	3.20	0.328	**
42 × 15	20	0.91	10 669 23 500	860 125	827 120	366 14.40	389 15.30	342 13.45	1 052 41.40	1 077 42.40	956 37.65	439 17.3	11.50	16.00	1.500	2.75	0.291	**
42 × 15	22	0.91	11 940 26 300	967 140	930 135	366 14.40	389 15.30	342 13.45	1 052 41.40	1 077 42.40	956 37.65	439 17.3	11.50	16.00	1.500	2.90	0.304	**

* 100 kPa = 1 bar

** Reference valve data not available.

Table 3 — Type VII aircraft tyres (*continued*)

Tyre												Rim (inches)					Tube
Size Overall diameter × section width	Ply rating	Aspect ratio	Rating			Inflated dimensions						Normal loaded radius	Width between flanges	Ledge diameter	Flange height	Minimum ledge width	Minimum well depth	Tube valve TR No. (Form)
			Maximum load	Inflation pressure		Widths			Diameters									
				Loaded	Unloaded	Cross-section		Shoulder	Centre line		Shoulder							
						min.	max.	max.	min.	max.	max.							
			kg lb	kPa* lbf/in²		mm in	mm in	mm in	mm in	mm in	mm in	mm in	A		H_F	G_{min}	I_{min}	
42 × 15	24	0.91	13 200 29 000	1 071 156	1 030 150	366 14.40	389 15.30	342 13.45	1 052 41.40	1 077 42.40	956 37.65	439 17.3	11.50	16.00	1.500	3.05	0.311	**
42 × 16	32	0.80	21 180 48 000	1 761 255	1 690 245	382 15.05	406 16.00	358 14.10	1 125 44.80	1 149 45.25	1 034 40.70	480 19.0	13.25	20.00	1.875	3.55	0.373	**
44 × 16	24	0.80	14 610 32 200	1 217 177	1 170 170	382 15.05	406 16.00	348 13.70	1 074 42.30	1 099 43.25	970 38.20	455 17.9	13.25	18.00	1.625	2.90	0.316	**
44 × 16	26	0.80	16 100 35 500	1 331 192	1 280 185	382 15.05	406 16.00	348 13.70	1 074 42.30	1 099 43.25	970 38.20	455 17.9	13.25	18.00	1.625	3.10	0.334	**
44 × 16	28	0.80	17 420 38 400	1 435 208	1 380 200	382 15.05	406 16.00	348 13.70	1 074 42.30	1 099 43.25	970 38.20	455 17.9	13.25	18.00	1.625	3.25	0.347	**
44 × 16	30	0.80	18 920 41 700	1 508 218	1 450 210	382 15.05	406 16.00	348 13.70	1 074 42.30	1 099 43.25	970 38.20	455 17.9	13.25	18.00	1.625	3.40	0.360	**
44 × 16	32	0.80	20 410 45 000	1 612 234	1 550 225	382 15.05	406 16.00	348 13.70	1 074 42.30	1 099 43.25	970 38.20	455 17.9	13.25	18.00	1.625	3.55	0.373	**
46 × 16	20	0.80	13 560 29 900	1 040 151	1 000 145	382 15.05	406 16.00	358 14.10	1 125 44.30	1 149 45.25	1 034 40.70	480 18.9	13.25	20.00	1.625	2.85	0.322	**
46 × 16	24	0.80	16 200 35 700	1 217 177	1 170 170	382 15.05	406 16.00	358 14.10	1 125 44.30	1 149 45.25	1 034 40.70	480 18.9	13.25	20.00	1.750	3.00	0.328	**
46 × 16	26	0.80	17 370 38 300	1 331 192	1 280 185	382 15.05	406 16.00	358 14.10	1 125 44.30	1 149 45.25	1 034 40.70	480 18.9	13.25	20.00	1.750	3.10	0.337	**
46 × 16	28	0.80	18 960 41 800	1 508 218	1 450 210	382 15.05	406 16.00	358 14.10	1 125 44.30	1 149 45.25	1 034 40.70	480 18.9	13.25	20.00	1.750	3.25	0.350	**
46 × 16	30	0.80	20 320 44 800	1 612 234	1 550 225	382 15.05	406 16.00	358 14.10	1 125 44.30	1 149 45.25	1 034 40.70	480 18.9	13.25	20.00	1.875	3.40	0.359	**
56 × 16	24	0.88	20 410 45 000	1 279 185	1 230 178	391 15.40	412 16.20	363 14.30	1 396 54.95	1 433 56.40	1 306 51.40	612 24.1	12.75	28.00	2.250	3.30	0.385	193
49 × 17	24	0.84	16 380 36 100	1 071 156	1 030 150	417 16.40	438 17.25	368 14.50	1 212 47.70	1 238 48.75	1 092 43.00	513 20.2	13.25	20.00	1.750	3.15	0.341	193T92(C)
49 × 17	26	0.84	17 960 39 600	1 186 172	1 140 165	417 16.40	438 17.25	368 14.50	1 212 47.70	1 238 48.75	1 092 43.00	513 20.2	13.25	20.00	1.750	3.25	0.350	193T92(C)

* 100 kPa = 1 bar

** Reference valve data not available.

Table 3 — Type VII aircraft tyres (*concluded*)

Tyre												Rim (inches)					Tube
Size Overall diameter × section width	Ply rating	Aspect ratio	Rating			Inflated dimensions						Normal loaded radius	Width between flanges	Ledge diameter	Flange height	Minimum ledge width	Minimum well depth	Tube valve TR No. (Form)
			Maximum load	Inflation pressure		Widths			Diameters									
				Loaded	Unloaded	Cross-section		Shoulder	Centre line		Shoulder							
						min.	max.	max.	min.	max.	max.							
			kg lb	kPa* lbf/in²		mm in	mm in	mm in	mm in	mm in	mm in	mm in	A		H_F	G_{min}	I_{min}	
49 × 17	28	0.84	19 600 43 200	1 290 187	1 240 180	417 16.40	438 17.25	368 14.50	1 212 47.70	1 238 48.75	1 092 43.00	513 20.2	13.25	20.00	1.750	3.35	0.359	193T92(C)
49 × 17	30	0.84	21 230 46 700	1 400 203	1 345 195	417 16.40	438 17.25	368 14.50	1 212 47.70	1 238 48.75	1 092 43.00	513 20.2	13.25	20.00	1.875	3.50	0.368	193T92(C)
49 × 17	32	0.84	22 882 50 400	1 506 218	1 448 210	417 16.40	438 17.25	368 14.50	1 212 47.70	1 238 48.75	1 092 43.00	513 20.2	13.25	20.00	1.875	3.65	0.381	193.92(C)
49 × 17	34	0.84	24 500 53 900	1 579 229	1 517 220	417 16.40	438 17.25	368 14.50	1 212 47.70	1 238 48.75	1 092 43.00	513 20.2	13.25	20.00	1.875	3.80	0.394	193.92(C)

* 100 kPa = 1 bar

Table 4 — Type VII aircraft tyres (ETRTO)

Tyre												Rim (inches)				
Size Overall diameter × section width-rim diameter	Ply rating	Aspect ratio	Rating			Inflated dimensions						Normal loaded radius	Width between flanges	Ledge diameter	Flange height	Minimum ledge width	Minimum well depth
			Maximum load	Inflation pressure		Widths			Diameters								
				Loaded	Unloaded	Cross-section		Shoulder	Centre line		Shoulder						
						min.	max.	max.	min.	max.	max.						
			kg lb	kPa* lbf/in²		mm in	mm in	mm in	mm in	mm in	mm in	mm in	A		H_F	G_{min}	I_{min}
14.5 × 5.5-6	14	0.78	1 540 3 395	1 123 163	1 080 157	131 5.15	140 5.50	123 4.85	356 14.00	368 14.50	330 13.00	155 6.10	4.250	6.00	0.87	1.65	0.150
16 × 4.4(-8)	8	0.90	1 050 2 320	860 125	830 120	105 4.15	115 4.45	100 3.90	395 15.50	405 16.00	370 14.55	175 6.90	3.50	8.00	0.81	1.125	–
17.5 × 5.75-8	12	0.83	2 270 5 000	1 290 187	1 240 180	135 5.40	145 5.75	130 5.10	430 16.95	445 17.50	400 15.80	190 7.40	4.25	8.00	0.875	1.40	0.143
17.5 × 6.25-6	8	0.92	1 180 2 600	510 74	490 71	150 5.90	160 6.25	140 5.50	430 16.85	445 17.50	395 15.45	180 7.0	5.00	6.00	0.750	0.90	0.098
18 × 4.25-10	6	0.87	1 045 2 300	718 104	690 100	113 4.45	119 4.70	105 4.15	451 17.75	464 18.25	425 16.75	203 8.00	3.625	10.00	0.60	1.13	0.200
18 × 4.4(-10)	12	0.89	1 970 4 340	1 610 234	1 550 225	105 4.15	115 4.45	100 3.90	445 17.40	455 17.90	420 16.50	200 7.90	3.50	10.00	0.812	1.25	–
18 × 5.5(-8)	6	0.87	1 020 2 250	540 78	520 75	135 5.35	145 5.70	125 5.00	440 17.30	455 17.90	410 16.20	190 7.50	4.25	8.00	0.875	1.25	–
18 × 5.5(-8)	8	0.87	1 380 3 040	760 110	730 106	135 5.35	145 5.70	125 5.00	440 17.30	455 17.90	410 16.20	190 7.50	4.25	8.00	0.875	1.25	0.130
18 × 5.5(-8)	10	0.87	1 810 3 990	1 010 146	970 141	135 5.35	145 5.70	125 5.00	440 17.30	455 17.90	410 16.20	190 7.50	4.25	8.00	0.875	1.40	0.143
18 × 5.5(-8)	12	0.87	2 290 5 050	1 220 177	1 170 170	135 5.35	145 5.70	125 5.00	440 17.30	455 17.90	410 16.20	190 7.50	4.25	8.00	0.875	1.40	–
18 × 5.5(-8)	14	0.87	2 810 6 190	1 540 223	1 480 215	135 5.35	145 5.70	125 5.00	440 17.30	455 17.90	410 16.20	190 7.50	4.25	8.00	0.875	1.50	–
18 × 5.7(-8)	14	0.87	2 810 6 190	1 540 223	1 480 215	135 5.35	140 5.60	125 5.00	435 17.25	450 17.80	410 16.20	190 7.50	4.25	8.00	0.875	1.63	–
20 × 4.4(-12)	10	0.88	1 700 3 750	1 220 177	1 170 170	105 4.15	115 4.45	100 3.95	495 19.50	510 20.00	495 19.45	225 8.90	3.50	12.00	0.812	1.15	–
20 × 4.4(-12)	12	0.88	2 340 5 160	1 610 234	1 550 225	105 4.15	115 4.45	100 3.95	495 19.50	510 20.00	495 19.45	225 8.90	3.50	12.00	0.812	1.30	–
20 × 5.25-11	10	0.89	2 220 4 890	1 160 168	1 110 161	140 5.45	145 5.75	115 4.60	525 20.75	540 21.35	500 19.70	235 9.25	4.50	11.00	0.656	1.31	–

* 100 kPa = 1 bar

Table 4 — Type VII aircraft tyres (ETRTO) (*continued*)

Tyre												Rim (inches)				
Size Overall diameter × section width-rim diameter	Ply rating	Aspect ratio	Rating			Inflated dimensions						Normal loaded radius	Width between flanges	Ledge diameter	Flange height	Minimum ledge width	Minimum well depth
			Maximum load	Inflation pressure		Widths			Diameters								
				Loaded	Unloaded	Cross-section		Shoulder	Centre line		Shoulder						
						min.	max.	max.	min.	max.	max.						
			kg lb	kPa* lbf/in²		mm in	mm in	mm in	mm in	mm in	mm in	mm in	A		H_F	G_{min}	I_{min}
22 × 5.5(-12)	10	0.89	2 590 5 710	1 330 193	1 280 186	135 5.35	145 5.70	125 4.95	545 21.55	565 22.15	540 21.30	245 9.60	4.25	12.00	0.875	1.30	—
22 × 5.5(-12)	12	0.89	3 220 7 100	1 690 245	1 620 235	135 5.35	145 5.70	125 4.95	545 21.55	565 22.15	540 21.30	245 9.60	4.25	12.00	0.875	1.30	—
22 × 5.75-12	8	0.87	1 820 4 010	970 141	930 135	135 5.35	145 5.75	130 5.05	545 21.55	560 22.0	515 20.20	245 9.60	4.25	12.00	0.875	1.25	—
22 × 5.75-12	10	0.87	1 980 4 360	1 290 187	1 240 180	135 5.35	145 5.75	130 5.05	545 21.55	560 22.0	515 22.20	245 9.60	4.25	12.00	0.875	1.35	—
22 × 8.5-11	16	0.72	4 540 10 000	1 510 219	1 450 210	205 8.10	215 8.50	190 7.50	575 22.60	590 23.20	500 19.65	240 9.42	7.25	11.00	0.875	1.88	—
23 × 7.00-12	10	0.78	3 030 6 675	894 130	860 125	173 6.80	183 7.20	160 6.30	574 22.60	589 23.20	537 21.15	252 9.90	6.25	12.00	0.65	1.69	0.275
24 × 5.5-14	16	0.89	5 220 11 510	2 550 370	2 450 356	135 5.35	145 5.70	126 4.95	600 23.55	615 24.15	590 23.30	272 10.70	6.25	12.00	0.65	1.69	0.275
24 × 6.6-12	20	0.89	2 950 6 500	2 110 307	2 030 295	160 6.25	170 6.65	140 5.50	585 23.05	605 23.75	545 21.50	260 10.20	4.25	14.00	0.875	1.38	—
24 × 7.25-12	10	0.86	3 000 6 600	863 125	830 120	184 7.00	191 7.50	165 6.50	608 23.95	622 24.50	566 22.30	264 10.40	6.25	12.00	0.70	1.38	0.175
24 × 7.7-10	8	0.92	1 880 4 140	540 78	520 75	185 7.20	195 7.65	170 6.75	590 23.30	615 24.15	545 21.50	255 10.00	5.50	10.00	0.906	1.25	—
24 × 7.7-10	10	0.92	2 450 5 400	650 94	620 90	185 7.20	195 7.65	170 6.75	590 23.30	615 24.15	545 21.50	255 10.00	5.50	10.00	0.906	1.25	0.140
24 × 7.7-10	14	0.92	3 720 8 200	970 141	930 135	185 7.20	195 7.65	170 6.75	590 23.30	615 24.15	545 21.50	255 10.00	5.50	10.00	0.906	1.60	0.162
24 × 7.7-10	16	0.92	4 400 9 700	1 190 173	1 140 165	185 7.20	195 7.65	170 6.75	590 23.30	615 24.15	545 21.50	255 10.00	5.50	10.00	0.906	1.70	0.180
24 × 8.00-13	18	0.69	5 670 12 500	2 050 298	1 970 285	195 7.55	205 8.00	180 7.05	595 23.4	610 24.00	560 22.00	270 10.50	5.75	13.00	1.000	2.05	—
24.5 × 8.5	10	0.86	2 590 5 700	614 88	590 85	203 8.00	216 8.50	190 7.50	603 23.75	622 24.50	556 21.90	257 10.10	6.25	10.00	0.81	1.35	0.130

* 100 kPa = 1 bar

Table 4 — Type VII aircraft tyres (ETRTO) (*continued*)

Tyre												Rim (inches)				
Size Overall diameter × section width-rim diameter	Ply rating	Aspect ratio	Rating			Inflated dimensions						Normal loaded radius	Width between flanges	Ledge diameter	Flange height	Minimum ledge width	Minimum well depth
			Maximum load	Inflation pressure		Widths			Diameters								
				Loaded	Unloaded	Cross-section		Shoulder	Centre line		Shoulder						
						min.	max.	max.	min.	max.	max.						
			kg lb	kPa* lbf/in²		mm in	mm in	mm in	mm in	mm in	mm in	mm in	A		H_F	G_{min}	I_{min}
24.5 × 8.5-10	12	0.86	3 130 6 900	650 94	620 90	203 8.00	216 8.50	190 7.50	603 23.15	622 24.50	556 21.90	257 10.10	6.25	10.00	0.81	1.35	–
25 × 6.75-14	18	0.84	5 900 13 000	2 150 312	2 070 301	163 6.45	174 6.85	153 6.05	630 24.80	647 25.50	595 23.45	283 11.13	5.00	14.00	1.000	1.62	–
25.5 × 8.0-14	18	0.72	6 940 15 300	1 970 286	1 900 276	190 7.55	203 8.00	174 6.84	630 24.80	650 25.50	588 23.14	280 11.00	5.75	14.00	1.000	2.10	–
25.5 × 8.75-10	12	0.89	3 240 7 140	610 88	590 85	210 8.25	220 8.75	195 7.70	627 24.70	650 25.50	580 22.75	265 10.40	5.50	10.00	0.906	1.50	–
26 × 6.6-14	8	0.88	2 410 5 310	870 126	830 120	160 6.25	170 6.65	150 5.85	635 25.05	655 25.75	600 23.55	285 11.20	5.00	14.00	1.000	1.30	0.153
26 × 6.6-14	10	0.88	3 130 6 900	1 120 162	1 070 155	160 6.25	170 6.65	150 5.85	635 25.05	655 25.75	600 23.55	285 11.20	5.00	14.00	1.000	1.40	0.166
26 × 6.6-14	12	0.88	3 900 8 600	1 330 193	1 280 186	160 6.25	170 6.65	150 5.85	635 25.05	655 25.75	600 23.55	285 11.20	5.00	14.00	1.000	1.50	0.179
26 × 6.6-14	14	0.88	4 540 10 010	1 620 235	1 550 225	160 6.25	170 6.65	150 5.85	635 25.05	655 25.75	600 23.55	285 11.20	5.00	14.00	1.000	1.70	0.197
26 × 7.75-13	8	0.84	2 540 5 600	614 88	590 85	189 7.45	201 7.90	177 6.95	648 25.50	668 26.30	607 23.90	282 11.10	6.63	13.00	0.70	1.50	0.175
26 × 7.75-13	10	0.84	3 290 7 250	790 114	760 110	189 7.45	201 7.90	177 6.95	648 25.50	668 26.30	607 23.90	282 11.10	6.63	13.00	1.00	1.50	0.175
26 × 7.75-13	12	0.84	4 060 8 050	967 140	930 135	189 7.45	201 7.90	177 6.95	648 25.50	668 26.30	607 23.90	282 11.10	6.63	13.00	1.00	1.55	0.175
26 × 7.75-13	14	0.84	4 880 10 750	1 144 166	1 100 160	189 7.45	201 7.90	177 6.95	648 25.50	668 26.30	607 23.90	282 11.10	6.63	13.00	1.00	1.80	0.200
26 × 8.0-14	16	0.75	5 760 12 700	1 690 245	1 620 235	190 7.50	205 8.00	150 6.00	645 25.30	660 26.00	605 23.85	285 11.20	6.38	14.00	1.125	2.10	–
26 × 8.0-14	18	0.75	6 570 14 490	1 900 275	1 830 265	190 7.50	205 8.00	150 6.00	645 25.30	660 26.00	605 23.85	285 11.20	6.38	14.00	1.125	2.10	–
26 × 8.75-11	12	0.87	4 570 10 080	760 110	730 106	215 8.45	225 8.95	200 7.90	655 25.75	675 26.55	605 23.75	265 10.43	7.25	11.00	0.875	1.60	–

* 100 kPa = 1 bar

Table 4 — Type VII aircraft tyres (ETRTO) (*continued*)

Tyre												Rim (inches)				
Size Overall diameter × section width-rim diameter	Ply rating	Aspect ratio	Rating			Inflated dimensions						Normal loaded radius	Width between flanges	Ledge diameter	Flange height	Minimum ledge width	Minimum well depth
			Maximum load	Inflation pressure		Widths			Diameters								
				Loaded	Unloaded	Cross-section		Shoulder	Centre line		Shoulder						
						min.	max.	max.	min.	max.	max.						
			kg lb	kPa* lbf/in²		mm in	mm in	mm in	mm in	mm in	mm in	mm in	A		H_F	G_{min}	I_{min}
26 × 8.75-11	16	0.87	5 020 11 070	900 130	870 126	215 8.45	225 8.95	200 7.90	655 25.75	675 26.55	605 23.75	265 10.43	7.25	11.00	0.75	1.85	—
28 × 9.00-12	8	0.86	2 700 5 940	468 68	450 65	226 8.90	239 9.40	203 8.00	696 27.40	719 28.30	644 25.35	290 11.40	6.63	12.00	0.75	1.38	0.175
28 × 9.00-12	10	0.86	3 250 7 150	572 83	550 80	226 8.90	239 9.40	203 8.00	696 27.40	719 28.30	644 25.35	290 11.40	6.63	12.00	0.75	1.50	0.175
29 × 7.7-15	16	0.85	6 260 13 800	1 660 241	1 590 231	190 7.40	200 7.85	175 6.95	700 27.60	720 28.40	660 25.90	310 12.20	6.00	15.00	1.000	2.00	0.228
29 × 8.00-15	12	0.90	4 550 10 000	1 009 146	970 140	199 7.85	206 8.10	182 7.15	739 29.10	754 29.70	687 27.05	321 12.65	6.88	15.00	0.95	1.75	0.250
30 × 7.7-16	12	0.85	4 270 9 410	1 190 173	1 140 165	190 7.40	200 7.85	175 6.95	725 28.60	745 29.40	685 26.90	320 12.70	6.00	16.00	1.000	1.65	0.203
30 × 7.7-16	14	0.85	5 440 12 000	1 340 194	1 280 186	190 7.40	200 7.85	175 6.95	725 28.60	745 29.40	685 26.90	320 12.70	6.00	16.00	1.000	1.65	—
30 × 7.7-16	18	0.85	7 490 16 520	1 940 282	1 860 270	190 7.40	200 7.85	175 6.95	725 28.60	745 29.40	685 26.90	320 12.70	6.00	16.00	1.000	2.15	—
30 × 8.8-15	22	0.87	9 520 20 990	2 080 302	2 000 290	210 8.35	225 8.90	200 7.90	750 29.50	770 30.4	695 27.40	330 12.90	7.00	15.00	1.125	2.10	—
30 × 9.00-15	12	0.78	5 530 12 190	940 136	900 130	232 9.15	243 9.55	213 8.40	744 29.30	762 30.00	693 27.30	320 12.60	8.00	15.00	1.000	1.75	—
30 × 11.5-14.5	20	0.66	9 510 20 970	1 580 229	1 520 220	280 11.00	290 11.50	270 10.60	730 28.75	755 29.75	725 28.54	310 12.30	9.75	14.50	1.250	2.75	—
30 × 11.5-14.5	24	0.66	11 340 25 000	1 760 255	1 690 245	280 11.00	290 11.50	270 10.60	730 28.75	755 29.75	725 28.54	310 12.30	9.75	14.50	1.250	2.75	—
30 × 11.5-14.5	26	0.66	11 340 25 000	2 380 346	2 290 333	280 11.00	290 11.50	270 10.60	730 28.75	755 29.75	725 28.54	310 12.30	9.75	14.50	1.250	2.75	—
31 × 10.75-14	20	0.79	8 490 18 700	1 331 192	1 280 185	265 10.45	281 11.05	247 9.72	777 30.58	798 31.42	718 28.28	335 13.18	9.00	14.00	1.25	3.25	0.330
31 × 11.50-16	22	0.66	10 570 23 300	1 976 286	1 900 275	274 10.80	292 11.50	257 10.10	767 30.20	787 31.00	719 28.30	340 13.36	9.00	16.00	1.25	2.65	0.280

* 100 kPa = 1 bar

Table 4 — Type VII aircraft tyres (ETRTO) (*continued*)

Tyre												Rim (inches)				
Size Overall diameter × section width-rim diameter	Ply rating	Aspect ratio	Rating			Inflated dimensions						Normal loaded radius	Width between flanges	Ledge diameter	Flange height	Minimum ledge width	Minimum well depth
			Maximum load	Inflation pressure		Widths			Diameters								
				Loaded	Unloaded	Cross-section		Shoulder	Centre line		Shoulder						
						min.	max.	max.	min.	max.	max.						
			kg lb	kPa* lbf/in²		mm in	mm in	mm in	mm in	mm in	mm in	mm in	A		H_F	G_{min}	I_{min}
H31 × 13.0-12	20	0.73	7 800 17 200	1 120 162	1 070 155	312 12.30	330 13.00	291 11.45	765 30.10	787 31.00	701 27.60	323 12.70	8.00	12.00	1.20	2.70	0.261
32 × 8.8-16	12	0.84	4 990 11 000	1 010 146	970 141	210 8.35	225 8.90	200 7.90	765 30.05	785 31.00	710 28.05	340 13.30	7.00	16.00	1.25	1.65	0.203
32 × 8.8-16	14	0.84	5 900 13 010	1 220 177	1 170 170	210 8.35	225 8.90	200 7.90	765 30.05	785 31.00	710 28.05	340 13.30	7.00	16.00	1.25	1.75	0.211
32 × 10.75-14	12	0.84	4 630 10 000	614 88	590 85	268 10.55	278 10.95	241 9.50	804 31.65	827 32.55	725 28.55	337 13.25	9.13	14.00	1.05	2.00	0.300
32 × 11.50-15	12	0.74	5 080 11 200	870 126	830 120	275 10.80	290 11.50	265 10.50	790 31.10	815 32.00	735 29.00	345 13.50	9.00	15.00	1.25	1.90	0.214
33.5 × 10.75-15	12	0.86	5 035 11 100	650 94	620 90	258 10.15	273 10.75	232 9.15	829 32.65	851 33.50	767 30.20	348 13.72	8.00	15.00	1.00	1.90	—
34 × 10.75-16	10	0.85	4 930 10 850	572 83	550 80	263 10.35	278 10.95	236 9.30	855 33.65	878 34.55	792 31.20	361 14.20	9.25	16.00	1.05	1.85	0.225
34 × 11-14	18	0.87	7 300 16 100	1 040 151	1 000 145	270 10.60	285 11.30	255 9.55	830 32.60	850 33.40	760 29.90	355 13.90	9.00	14.00	1.50	2.45	0.255
34 × 11-14	20	0.87	8 300 18 300	1 190 172	1 140 165	270 10.60	285 11.30	255 9.55	830 32.60	850 33.40	760 29.90	355 13.90	9.00	14.00	1.50	2.60	0.268
34 × 11-14	22	0.87	9 300 20 500	1 330 193	1 280 186	270 10.60	285 11.30	255 9.55	830 32.60	850 33.40	760 29.90	355 13.90	9.00	14.00	1.50	2.70	0.277
35 × 11.75-14	12	0.84	5 450 12 000	572 83	550 80	291 11.45	306 12.05	260 10.25	848 33.40	879 34.60	785 30.90	353 13.90	9.13	14.00	1.10	1.75	0.300
35 × 9.00-17	14	0.97	6 350 14 000	1 071 156	1 030 149	220 8.67	232 9.14	208 8.20	862 33.90	889 35.00	803 31.60	375 14.78	7.25	17.00	1.10	2.25	0.265
35 × 9.00-17	16	0.97	7 400 16 315	1 217 177	1 170 170	220 8.67	232 9.14	208 8.20	862 33.90	889 35.00	803 31.60	375 14.78	7.25	17.00	1.10	2.25	0.265
35 × 9.00-17	18	0.97	8 500 18 740	1 362 198	1 310 190	220 8.67	232 9.14	208 8.20	862 33.90	889 35.00	803 31.60	375 14.78	7.25	17.00	1.10	2.50	0.285
35 × 10.00-17	22	0.90	11 440 25 200	1 726 250	1 660 240	246 9.70	259 10.20	229 9.00	878 34.55	903 35.55	818 32.20	381 15.00	8.63	17.00	1.375	2.50	—

* 100 kPa = 1 bar

Table 4 — Type VII aircraft tyres (ETRTO) (*continued*)

Tyre												Rim (inches)				
Size Overall diameter × section width-rim diameter	Ply rating	Aspect ratio	Rating			Inflated dimensions						Normal loaded radius	Width between flanges	Ledge diameter	Flange height	Minimum ledge width	Minimum well depth
			Maximum load	Inflation pressure		Widths			Diameters								
				Loaded	Unloaded	Cross-section		Shoulder	Centre line		Shoulder						
						min.	max.	max.	min.	max.	max.						
			kg lb	kPa* lbf/in²		mm in	mm in	mm in	mm in	mm in	mm in	mm in	A		H_F	G_{min}	I_{min}
36 × 10.00-18	16	0.91	8 170 18 000	1 186 172	1 140 165	248 9.75	262 10.30	230 9.05	908 35.75	930 36.60	845 33.25	394 15.50	8.63	18.00	1.10	2.38	0.275
36 × 10.00-18	18	0.91	9 930 21 875	1 362 198	1 310 190	248 9.75	262 10.30	230 9.05	908 35.75	930 36.60	845 33.25	394 15.50	8.63	18.00	1.13	2.50	0.275
36 × 10.00-18	20	0.91	10 730 23 660	1 480 215	1 420 206	248 9.75	262 10.30	230 9.05	908 35.75	930 36.60	845 33.25	394 15.50	8.63	18.00	1.13	2.70	—
36 × 11-16	22	0.83	10 570 23 300	1 440 209	1 380 200	275 10.80	290 11.50	255 10.10	865 34.00	890 35.10	805 31.65	380 14.90	9.00	16.00	1.375	2.80	—
36 × 13.00-12	6	0.94	2 880 6 350	260 38	200 29	316 12.45	334 13.15	284 11.20	902 35.55	927 36.50	815 32.10	359 14.15	8.25	12.00	1.000	1.10	—
37 × 11.75-16	10	0.90	4 730 10 430	470 68	450 65	283 11.15	298 11.75	263 10.35	917 36.10	940 37.00	843 33.20	381 15.02	9.25	16.00	1.00	1.63	0.225
37 × 13.0-16	20	0.81	10 070 22 200	1 190 172	1 140 165	310 12.30	330 13.00	290 11.45	920 36.10	940 37.00	845 33.20	390 15.40	9.00	16.00	1.375	2.60	0.280
37 × 13.0-16	26	0.81	13 290 29 300	1 580 229	1 520 220	310 12.30	330 13.00	290 11.45	920 36.10	940 37.00	845 33.20	390 15.40	9.00	16.00	1.375	3.20	0.330
37 × 14.0-14	24	0.83	11 340 25 000	1 160 166	1 110 160	340 13.30	355 14.00	305 12.00	915 36.05	940 37.00	835 32.85	385 15.10	11.00	14.00	1.50	3.00	0.302
H37 × 14.0-15	22	0.79	10 930 24 100	1 190 172	1 140 165	340 13.30	355 14.00	312 12.30	917 36.10	940 37.00	839 33.05	386 15.20	9.00	15.00	1.30	2.80	0.285
39 × 13-16	14	0.86	6 810 15 100	720 104	690 100	310 12.25	330 13.00	290 11.45	945 37.30	970 38.25	870 34.25	400 15.80	10.00	16.00	1.25	2.20	0.245
39 × 13-16	16	0.86	7 800 17 200	840 120	800 115	310 12.25	330 13.00	290 11.45	945 37.30	970 38.25	870 34.25	400 15.80	10.00	16.00	1.25	2.30	0.254
39 × 13-16	18	0.86	8 800 19 400	940 135	900 130	310 12.25	330 13.00	290 11.45	945 37.30	970 38.25	870 34.25	400 15.80	10.00	16.00	1.25	2.50	0.271
39 × 13-16	20	0.86	10 120 22 310	1 080 156	1 040 150	310 12.25	330 13.00	290 11.45	945 37.30	970 38.25	870 32.25	400 15.80	10.00	16.00	1.25	2.75	0.293
40 × 12-18	16	0.88	8 390 18 500	940 135	900 130	300 11.70	315 12.35	275 10.90	975 38.40	1 000 39.40	900 35.50	420 16.60	10.00	18.00	1.50	2.40	0.270

* 100 kPa = 1 bar

Table 4 — Type VII aircraft tyres (ETRTO) (*continued*)

Tyre												Rim (inches)				
Size Overall diameter × section width-rim diameter	Ply rating	Aspect ratio	Rating			Inflated dimensions						Normal loaded radius	Width between flanges	Ledge diameter	Flange height	Minimum ledge width	Minimum well depth
			Maximum load	Inflation pressure		Widths			Diameters								
				Loaded	Unloaded	Cross-section		Shoulder	Centre line		Shoulder						
						min.	max.	max.	min.	max.	max.						
			kg lb	kPa* lbf/in²		mm in	mm in	mm in	mm in	mm in	mm in	mm in	A		H_F	G_{min}	I_{min}
40 × 12-18	18	0.88	9 530 21 000	1 080 156	1 040 150	300 11.70	315 12.35	275 10.90	975 38.40	1 000 39.40	900 35.50	420 16.60	10.00	18.00	1.50	2.50	0.279
40 × 12-18	20	0.88	10 840 23 900	1 220 177	1 170 170	300 11.70	315 12.35	275 10.90	975 38.40	1 000 39.40	900 35.50	420 16.60	10.00	18.00	1.50	2.60	0.287
40 × 12-18	22	0.88	12 120 26 700	1 370 198	1 310 190	300 11.70	315 12.35	275 10.90	975 38.40	1 000 39.40	900 35.50	420 16.60	10.00	18.00	1.50	2.75	0.300
40 × 14-16	14	0.86	6 760 14 900	650 94	620 90	337 13.25	356 14.00	305 12.00	988 38.85	1 011 39.10	892 35.10	419 16.50	11.00	16.00	1.625	2.30	—
40 × 14-16	16	0.86	7 850 17 300	760 109	730 105	333 13.25	355 14.00	305 12.00	990 38.85	1 010 39.80	890 35.10	420 16.60	11.00	16.00	1.625	2.40	0.254
40 × 14-16	20	0.86	10 210 22 300	970 140	930 135	333 13.25	355 14.00	305 12.00	990 38.85	1 010 39.80	890 35.10	420 16.60	11.00	16.00	1.625	2.65	0.280
40 × 14-16	22	0.86	11 340 25 000	1 120 161	1 070 155	333 13.25	355 14.00	305 12.00	990 38.85	1 010 39.80	890 35.10	420 16.60	11.00	16.00	1.625	2.80	0.293
40 × 14-16	24	0.86	12 560 27 700	1 220 177	1 170 170	333 13.25	355 14.00	305 12.00	990 38.85	1 010 39.80	890 35.10	420 16.60	11.00	16.00	1.625	2.95	0.306
40 × 14-16	28	0.86	15 010 33 100	1 440 208	1 380 200	333 13.25	355 14.00	305 12.00	990 38.85	1 010 39.80	890 35.10	420 16.60	11.00	16.00	1.625	3.20	0.328
H40 × 14.5-19	22	0.73	13 650 30 100	1 290 187	1 240 180	349 13.75	368 14.50	325 12.80	993 39.10	1 016 40.00	921 36.25	424 16.70	9.50	19.00	1.400	2.90	0.309
H40 × 14.5-19	24	0.73	15 060 33 200	1 440 208	1 380 200	349 13.75	368 14.50	325 12.80	993 39.10	1 016 40.00	921 36.25	424 16.70	9.50	19.00	1.400	3.10	0.318
40 × 15.5-16**	26	0.78	16 470 36 300	1 290 187	1 240 180	375 14.75	395 15.60	345 13.65	990 39.05	1 020 40.00	905 35.70	410 16.10	10.00	16.00	1.25	3.20	0.829
40 × 15.5-16**	28	0.78	17 910 39 500	1 400 203	1 350 195	375 14.15	395 15.60	345 13.65	990 39.05	1 020 40.00	905 35.70	410 16.10	10.00	16.00	1.25	3.40	0.882
41 × 15.0-18**	22	0.77	12 890 28 600	1 220 177	1 170 170	360 14.25	380 15.00	335 13.20	1 015 40.05	1 040 41.00	935 36.90	435 17.20	12.75	18.00	1.625	2.90	0.311
41 × 15.0-18	24	0.77	14 260 31 400	1 370 198	1 310 190	360 14.25	380 15.00	335 13.20	1 015 40.05	1 040 41.00	935 36.90	435 17.20	12.75	18.00	1.625	3.00	0.320

* 100 kPa = 1 bar

** 15° Bead seat taper, all others 5° Bead seat taper.

Table 4 — Type VII aircraft tyres (ETRTO) (*continued*)

Tyre												Rim (inches)				
Size Overall diameter × section width-rim diameter	Ply rating	Aspect ratio	Rating			Inflated dimensions						Normal loaded radius	Width between flanges	Ledge diameter	Flange height	Minimum ledge width	Minimum well depth
			Maximum load	Inflation pressure		Widths		Diameters									
				Loaded	Unloaded	Cross-section	Shoulder	Centre line		Shoulder							
						min.	max.	max.	min.	max.	max.						
			kg lb	kPa* lbf/in²		mm in	mm in	mm in	mm in	mm in	mm in	mm in	A		H_F	G_{min}	I_{min}
44 × 16-18	18	0.80	9 230 20 350	720 104	690 100	380 15.05	405 16.00	350 13.70	1 075 42.30	1 100 43.25	970 38.20	455 17.95	13.25	18.00	1.375	3.00	–
44 × 16-18	28	0.80	17 420 41 800	1 440 218	1 380 210	380 15.05	405 16.00	350 13.70	1 075 42.30	1 100 43.25	970 38.20	455 17.95	13.25	18.00	1.625	3.25	0.350
44 × 16-18	30	0.80	18 910 44 800	1 510 234	1 450 225	380 15.05	405 16.00	350 13.70	1 075 42.30	1 100 43.25	970 38.20	455 17.95	13.25	18.00	1.625	3.40	0.359
44 × 16-18	32	0.80	20 420 48 000	1 620 255	1 550 245	380 15.05	405 16.00	350 13.70	1 075 42.30	1 100 43.25	970 38.20	455 17.95	13.25	18.00	1.625	3.55	0.372
44.5 × 16.5-18	30	0.81	19 280 42 500	1 410 203	1 350 195	400 15.70	420 16.50	370 14.50	1 105 43.50	1 130 44.50	1 010 39.70	465 18.40	13.25	18.00	1.625	3.55	0.373
H44.5 × 16.5-18	24	0.75	16 420 36 200	1 190 172	1 140 165	400 15.70	420 16.50	370 14.55	1 105 43.50	1 130 44.50	1 020 40.10	465 18.40	10.50	20.00	1.500	3.25	0.323
H44.5 × 16.5-20	26	0.75	17 960 39 600	1 310 187	1 250 180	400 15.70	420 16.50	370 14.55	1 105 43.50	1 130 44.50	1 020 40.10	465 18.40	10.50	20.00	1.500	3.45	0.360
H45 × 17.0-20	26	0.74	18 140 40 000	1 410 203	1 340 195	412 16.20	432 17.00	381 15.00	1 118 44.00	1 143 45.00	1 029 40.50	478 18.80	11.00	20.00	1.600	3.25	0.341
46 × 16(-20)	20	0.80	13 550 29 900	1 040 151	1 000 145	380 15.05	405 16.00	360 14.10	1 125 44.30	1 150 45.25	1 030 40.70	485 18.90	13.25	20.00	1.625	2.85	0.322
46 × 16(-20)	24	0.80	16 200 35 700	1 220 177	1 170 170	380 15.05	405 16.00	360 14.10	1 125 44.30	1 150 45.25	1 030 40.70	485 18.90	13.25	20.00	1.750	3.00	0.328
46 × 16(-20)	26	0.80	17 370 38 300	1 340 192	1 280 185	380 15.05	405 16.00	360 14.10	1 125 44.30	1 150 45.25	1 030 40.70	485 18.90	13.25	20.00	1.750	3.10	0.337
46 × 16(-20)	28	0.80	18 960 41 800	1 510 218	1 450 210	380 15.05	405 16.00	360 14.10	1 125 44.30	1 150 45.25	1 030 40.70	485 18.90	13.25	20.00	1.750	3.25	0.350
46 × 16(-20)	30	0.80	20 400 44 800	1 620 234	1 550 225	380 15.05	405 16.00	360 14.10	1 125 44.30	1 150 45.25	1 030 40.70	485 18.90	13.25	20.00	1.875	3.40	0.359
46 × 16(-20)	32	0.80	21 770 48 000	1 760 255	1 690 245	380 15.05	405 16.00	360 14.10	1 125 44.30	1 150 45.25	1 030 40.70	485 18.90	13.25	20.00	1.875	3.55	0.372
H46 × 18.0-20	26	0.73	18 820 41 500	1 370 198	1 310 190	436 17.15	457 18.00	403 15.85	1 143 45.00	1 168 46.00	1 049 41.30	488 19.20	11.00	20.00	1.600	3.35	0.349

* 100 kPa = 1 bar

Table 4 — Type VII aircraft tyres (ETRTO) (*continued*)

Tyre												Rim (inches)				
Size Overall diameter × section width-rim diameter	Ply rating	Aspect ratio	Rating			Inflated dimensions						Normal loaded radius	Width between flanges	Ledge diameter	Flange height	Minimum ledge width	Minimum well depth
			Maximum load	Inflation pressure		Widths			Diameters								
				Loaded	Unloaded	Cross-section		Shoulder	Centre line		Shoulder						
						min.	max.	max.	min.	max.	max.						
			kg lb	kPa* lbf/in²		mm in	mm in	mm in	mm in	mm in	mm in	mm in	A		H_F	G_{min}	I_{min}
47 × 15.75-22.1	32	0.80	24 310 53 600	1 650 240	1 585 230	385 15.20	405 16.00	355 14.05	1 200 47.20	1 220 48.10	1 100 43.40	505 19.95	12.75	22.10	1.750	3.75	—
49 × 17(-20)	26	0.84	17 960 39 600	1 190 172	1 140 165	415 16.40	440 17.25	370 14.50	1 210 47.70	1 240 48.75	1 090 43.00	515 20.20	13.25	20.00	1.750	3.25	0.350
49 × 17(-20)	28	0.84	19 610 43 200	1 290 187	1 240 180	415 16.40	440 17.25	370 14.50	1 210 47.70	1 240 48.25	1 090 43.00	515 20.20	13.25	20.00	1.750	3.35	0.359
49 × 17(-20)	30	0.84	21 100 46 700	1 370 203	1 310 195	415 16.40	440 17.25	370 14.50	1 210 47.70	1 240 48.25	1 090 43.00	515 20.20	13.25	20.00	1.875	3.50	0.368
49 × 17(-20)	32	0.84	22 860 50 400	1 510 218	1 450 210	415 16.40	440 17.25	370 14.50	1 210 47.70	1 240 48.25	1 090 43.00	515 20.20	13.25	20.00	1.875	3.65	0.381
49 × 12(-20)	34	0.84	24 450 53 900	1 580 229	1 520 220	415 16.40	440 17.25	370 14.50	1 210 47.70	1 240 48.25	1 090 43.00	515 20.20	13.25	20.00	1.875	3.80	0.394
49 × 19.0-20	32	0.77	23 550 51 900	1 400 203	1 350 195	465 18.15	485 19.00	425 16.70	1 220 48.00	1 245 49.00	1 115 43.80	515 20.3	13.25	20.00	1.875	3.75	0.390
49 × 19.0-20	34	0.77	25 270 55 700	1 540 224	1 480 215	465 18.15	485 19.00	425 16.70	1 220 48.00	1 245 49.00	1 115 43.80	515 20.3	13.25	20.00	1.875	3.95	0.407
50 × 18(-20)	26	0.85	18 950 41 800	1 120 162	1 070 155	425 16.65	445 17.50	390 15.40	1 230 48.50	1 255 49.50	1 120 44.20	520 20.50	14.25	20.00	1.750	—	—
50 × 20.0-20	26	0.75	18 960 41 800	1 080 156	1 040 150	485 19.10	510 20.00	445 17.60	1 245 49.00	1 270 50.00	1 135 44.60	525 20.60	16.25	20.00	1.875	3.50	0.368
50 × 20.0-20	30	0.75	22 500 49 400	1 260 182	1 210 175	485 19.10	510 20.00	445 17.60	1 245 49.00	1 270 50.00	1 135 44.60	525 20.60	16.25	20.00	1.875	3.75	0.390
50 × 20.0-20	32	0.75	24 410 53 800	1 370 198	1 310 190	485 19.10	510 20.00	445 17.60	1 245 49.00	1 270 50.00	1 135 44.60	525 20.60	16.25	20.00	1.875	3.95	0.407
50 × 20.0-20	34	0.75	25 860 57 000	1 470 213	1 420 205	485 19.10	510 20.00	445 17.60	1 245 49.00	1 270 50.00	1 135 44.60	525 20.60	16.25	20.00	1.875	4.15	0.425
50 × 21.0-20	28	0.72	21 190 46 700	1 090 156	1 040 150	510 20.05	535 21.00	470 18.50	1 245 49.00	1 270 50.00	1 135 44.60	513 20.20	13.25	20.00	1.750	3.50	0.371
50 × 21.0-20	30	0.75	22 230 49 000	1 160 166	1 110 160	510 20.05	535 21.00	470 18.50	1 245 49.00	1 270 50.00	1 135 44.60	513 20.20	13.25	20.00	1.750	3.60	0.381

* 100 kPa = 1 bar