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AMENDMENT 1
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Narrow and wide base off-road tyres and rims —

Part 1:

Tyre designation and dimensions

AMENDMENT 1

Pneumatiques et jantes à base étroite et à base large pour engins de génie civil —

Partie 1: Désignation et cotes des pneumatiques

AMENDEMENT 1



Reference number
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Foreword

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Amendment 1 to International Standard ISO 4250-1 was prepared by Technical Committee ISO/TC 31, *Tyres, rims and valves*, Sub-Committee SC 6, *Off-the-road tyres and rims*.

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Part 1:

Tyre designation and dimensions

AMENDMENT 1

Page 2, clause 6

Add, in numerical order, the following references to tables:

Table 3a): Narrow base tyres on SDC rims.

Table 5a): 65 series tyres.

Page 2, clause 8

Add, in numerical order, the following references to tables:

Table 6a): Diagonal and radial tyres for road graders.

Table 9: Diagonal and radial 65 series tyres.

Page 3, table 3

Add the following values after the designation 36.00 — 51.

Tyre size designation	Measuring rim width Code	Design new tyre ¹⁾		In-service ²⁾	
		Section width	Overall diameter ³⁾	Maximum overall width	Maximum overall diameter ³⁾
37.00 — 57	27.00	1 016	3 370	1 118	3 524

Beneath the existing table 3, add the following table 3a).

Table 3a) — Tyre dimensions for narrow base tyres on SDC rims

Dimensions in millimetres

Tyre size designation ^{1), 2)}	Measuring rim width Code	Design new tyre ³⁾		In-service ⁵⁾	
		Section width	Overall diameter ⁴⁾	Maximum overall width	Maximum overall diameter ⁴⁾
10.00 — 24 TG	8.00	283	1 151	306	1 184
12.00 — 24 TG	8.00	312	1 226	337	1 263
13.00 — 24 TG	8.00	333	1 278	360	1 318
14.00 — 24 TG	8.00	362	1 348	391	1 392
16.00 — 24 TG	10.00	427	1 459	474	1 527

- 1) For radial tyres, replace the dash (—) in the size designation with "R"
- 2) "TG" is a designation to be used to identify tyres mounted on SDC rims.
- 3) Design new tyre dimensions quoted in the tables are used for tyre design purposes only.
- 4) Figures are based on tyres with normal tread depth. The machine manufacturer should recognize that tyres with deep tread and corresponding increased overall diameter may be used.
- 5) In-service dimensions are the maximum dimensions for grown tyres in-service for use by machine manufacturers in designing for tyre clearances.
- Max. overall width = [design new tyre section width (S.W.)] × (1 + tolerance)
- Tolerances: S.W. < 380 mm: + 8 %
- Tolerances: S.W. > 380 mm: + 11 %
- Max. overall diameter = (design new tyre overall diameter — rim diameter) × (1 + tolerance) + rim diameter
- Tolerances: S.W. < 380 mm: + 6 %
- Tolerances: S.W. > 380 mm: + 8 %
- NOTE — See ISO 4250-3 for rim diameter values.

Beneath the existing table 5, add the following table 5a).

Table 5a) — Tyre dimensions for 65 series tyres

Dimensions in millimetres

Tyre size designation ¹⁾	Measuring rim width Code	Design new tyre ²⁾		In-service ⁴⁾	
		Section width	Overall diameter ³⁾	Maximum overall width	Maximum overall diameter ³⁾
25/65 — 25	20.00	635	1 486	705	1 554
30/65 — 25	24.00	762	1 656	846	1 738
30/65 — 29	24.00	762	1 758	846	1 840
35/65 — 33	28.00	889	2 029	987	2 124
40/65 — 39	32.00	1 016	2 352	1 128	2 461
45/65 — 45	36.00	1 143	2 675	1 269	2 798
50/65 — 51	40.00	1 270	2 997	1 410	3 133

1) For radial tyres, replace the dash (—) in the size designation with "R".

2) Design new tyre dimensions quoted in the tables are used for tyre design purposes only.

3) Figures are based on tyres with normal tread depth. The machine manufacturer should recognize that tyres with deep tread and corresponding increased overall diameter may be used.

4) In-service dimensions are the maximum dimensions for grown tyres in-service for use by machine manufacturers in designing for tyre clearances.

Max. overall width = [design new tyre section width (S.W.)] × (1 + tolerance)

Tolerances: S.W. < 380 mm: + 8 %
> 380 mm: + 11 %

Max. overall diameter = (design new tyre overall diameter — rim diameter) × (1 + tolerance) + rim diameter

Tolerances: S.W. < 380 mm: + 6 %
> 380 mm: + 8 %

NOTE — See ISO 4250-3 for rim diameter values.

Page 6, table 6

Add the following values after the designation 36.00 — 51:

Tyre size designation	Recommended rims
37.00 — 57	27.00/6.0

Page 6

Beneath the existing table 6, add the following table 6a).

Table 6a) — Recommended rims for diagonal and radial tyres for road graders ¹⁾

Tyre size designation ^{2), 3)}	Recommended rims ⁴⁾
10.00 — 24 TG	8.00 TG SDC
12.00 — 24 TG	8.00 TG SDC
13.00 — 24 TG	8.00 TG SDC
	10.00 VA SDC
14.00 — 24 TG	8.00 TG SDC
	10.00 VA SDC
16.00 — 24 TG	10.00 VA SDC
1) The tyre and rim/wheel manufacturer should be consulted for confirmation of the suitability of the tyre/wheel assembly for the intended service or for the use of alternative rims.	
2) For radial tyres, replace the dash (—) in the size designation with "R".	
3) "TG" is a designation to be used to identify tyres mounted on SDC rims.	
4) See ISO 4250-3 for rim contours.	

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Beneath the existing table 8, add the following table 9.

Table 9 — Recommended rims for diagonal and radial 65 series tyres

Tyre size designation ^{1), 2)}	Recommended rims
25/65 — 25	19.50/2.0 20.00/2.0
30/65 — 25	24.00/3.0
30/65 — 29	24.00/3.0
35/65 — 33	28.00/3.5
40/65 — 39	32.00/4.0
45/65 — 45	36.00/4.5
50/65 — 51	40.00/4.5
1) The tyre and rim/wheel manufacturer should be consulted for confirmation of the suitability of the tyre/wheel assembly for the intended service or for the use of alternative rims.	
2) For radial tyres, replace the dash (—) in the size designation with "R".	