

Proposal for a Supplement to the 02 Series of Amendments to UN Regulation No. 90

Note: This proposal aims at correcting editorial errors in the consolidation document ECE/TRANS/WP29/2016/58 relating to GRRF-80-37, ECE/TRANS/WP.29/GRRF/2015/22 and GRRF-81-04-Rev.1 and insert the word "tolerance" in para. 2.3.3.4.1.

Proposal:

Paragraph 2.3.3.4.1., amend to read:

"2.3.3.4.1. "Equivalent brake discs **for categories M, N and O**" is a replacement brake disc which is identical to the original brake disc in respect to all dimensions, geometric features, **tolerances** and basic design and is also from the same material subgroup as the original brake disc as defined in paragraph 5.3.3.2."

Paragraph 5.3.4.1.1., amend to read:

"5.3.4.1.1 For discs the following maximum values shall be met:

	M_1, N_1, O_1, O_2	$M_2, N_2,$	M_3, N_3, O_3, O_4	L_1, L_2, L_3, L_4, L_5
Thickness variation	0.015 mm	0.030 mm	0.040 mm	0.020mm
Cheek thickness variation (for ventilated disc only)	1.5 mm	2.0 mm	2.0 mm	(***)
Lateral run-out friction surface	0.050 mm*	0.15 mm*	0.15 mm*	0.150mm***
Location bore variation	H9	H9	H9	D10 or H11****
"Top hat" parallelism	0.100 mm	0.100 mm	0.100 mm	-
Location face flatness	0.050 mm	0.050 mm	0.050 mm	0.100mm
Friction surface roughness**	3.2 µm	3.2 µm	3.2 µm	1.6µm

* n / a in the case of a floating disc

** Ra-value according to ISO 1302:2002

*** 0.100 mm for maximum straightness for "full floating" disc (without elastic constraints between bell and braking ring)

**** n/a for vehicles categories L₁, L₂, L₃, L₄ and L₅

***** Location bore variation where applicable, related to manufacturing process."