

SOLIDEAL GRADER G2/L2

CONVENTIONAL DIAGONAL (BIAS) PLY TYRES - GEOMETRICAL DATA

TYRE SIZE	PR	TREAD		TUBE	RIM FITMENT (1)			TYRE DIMENSIONS MAX IN SERVICE (2)		CATALOGUE NUMBER
		TYPE	TRA CODE		REC	ALTERNATIVE	WIDTH (mm)	O.D. (mm)		
13.00-24 TG*	10	SL	G2/L2	TBLS	8.00TG	10.00VA	9.00DC	366	1298	08.7.000.00.0.915
13.00-24 TG	12	SL	G2/L2	TBLS	8.00TG	10.00VA	9.00DC	366	1298	08.7.000.00.0.916
13.00-24 TG*	14	SL	G2/L2	TBLS	8.00TG	10.00VA		366	1298	08.7.000.00.0.917
13.00-24 TG	16	SL	G2/L2	TBLS	8.00TG	10.00VA		366	1298	08.7.000.00.0.918
14.00-24 TG	12	SL	G2/L2	TBLS	8.00TG	10.00VA	9.00DC	398	1370	08.7.000.00.0.926
14.00-24 TG	16	SL	G2/L2	TBLS	8.00TG	10.00VA		398	1370	08.7.000.00.0.928

(*) available later 2001

REMARKS:

- (1) a) - Rim dimensions are standardized by the Tire and Rim Association for size and contour only, and particular tyre and rim combinations are designated to assure proper mounting and fit of the tyre to the rim. The load and cold inflation pressure imposed on the rim and wheel must not exceed the rim and wheel manufacturers recommendation even though the tyre may be approved for a higher load or inflation pressure. Rims and wheels may be identified (stamped) with a maximum load and maximum cold inflating rating. For rims and wheels so identified or for service conditions exceeding the rated capacities, consult the rim and wheel manufacturer to determine rim and wheel capacities for the intended service.
- b) - Safety warning - Use only properly adapted rims recommended by rim manufacturers for maximum psi - Tyre to rim assembly should be done by trained persons using the necessary precautions remote inflator. Under / over inflation may result in tyre failure causing fatal bodily injury - Release air pressure fully before demounting tyre.
- (2) The sizes given are according to TRA, for use by vehicle manufacturers in designing for tyre clearances. For correct sizes, static loaded radii, rolling circumference values and inflation pressure recommendations, please consult the technical department.

OFF-THE-ROAD TRACTOR AND GRADER SERVICE G2 MAX SPEED 40KM/H - SPEED SYMBOL A8 - DISTANCE UNLIMITED

TYRE SIZE	LOAD LIMITS AT COLD INFLATION PRESSURES (100kPa = 1 bar)										
	kPa	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50
13.00-24 TG	LI	126	130	133	136	138	140	142	143	144	145
	kg	1700	1900	2060	2240	2360(10)	2500	2650	2725(12)	2800(14)	2900(16)
14.00-24 TG	LI	133	137	140	142	144	147	149	151	152	153
	kg	2060	2300	2500	2650	2800	3075(12)	3250	3450	3550	3650(16)

NOTES:

- (1) Figures in parentheses denote ply rating for which bold face loads and inflations are maximum.
- (2) For maintenance work on established highways, inflation pressures may be increased 50% if desired with no increase in loads.
- (3) Road Lope (Bounce) is a natural phenomenon in motor graders occurring at resonant speeds. The best ride results are achieved by setting the cold inflation pressure to match the actual load per tyre. Design load distribution for OE graders tend to be 1/3 front and 2/3 rear, but attachments might have a pronounced effect on the weight balance.
- (4) For slope and ditch work or extreme use, the air pressures need to be increased from values in table by 0.7 to 1.0 bar.

OFF-THE-ROAD SLOW SPEED SERVICE L2 MAX SPEED 10 KM/H - SPEED SYMBOL A2 - DISTANCE UP TO 75M ONE WAY

TYRE SIZE	LOAD LIMITS AT COLD INFLATION PRESSURES (100kPa = 1 bar)												
	kPa	3.25	3.5	3.75	4	4.25	4.5	4.75	5	5.25	5.5	5.75	6
13.00-24 TG	LI	160	162	164	165	166	168	168	169	170	171	172	173
	kg	4500	4750	5000(10)	5150	5300	5600(12)	5600	5800	6000(14)	6150	6300	6500(16)
14.00-24 TG	LI	167	168	170	171	172	173	174	175	176	177		
	kg	5450	5600(10)	6000	6150	6300(12)	6500	6700	6900	7100	7300(16)		

NOTES:

- (1) Figures in parentheses denote ply rating for which bold face loads and inflations are maximum.

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