

Rim : 4.00 E-9

Cylindrical rim diameter [mm] : 222,9 ± 0,4

Tire dimensions

1) Standard values max. in service according ETRTO

	Solid	Pneum.
Overall diameter [mm] :	529	551
Overall width [mm] :	173	173
Dual spacing [mm] :	192	192



Actual values

Overall diameter [mm] :	529 ± 1%	Tire weight [kg] :	26,0 ± 1%
Overall width [mm] :	143 ± 2%	Tread depth [mm] :	25,5
Tread width [mm] :	123 ± 2%	Tread rubber height [mm] :	50,0
Tread edge diameter [mm] :	521 ± 1%	(above 60-Joule-indicator)	
Static radius * [mm] :	248 ± 1%	Rolling resistance * [%] :	1,8 ± 0,1
Rolling circumference * [mm] :	1653 ± 2,5	(VDI-Guideline 2196)	
		(robust version)	

* at reference load

2) Tire load capacity [kg] according ETRTO

Load index + Sp.-symbol	3) Station-ary	other vehicles at max. speed [km/h]			Fork Lift Trucks max. 25 km/h	
		6	10	25	Load Wheel	Steer Wheel 4)
121 A5	2190	1885	1710	1450	1885	1450

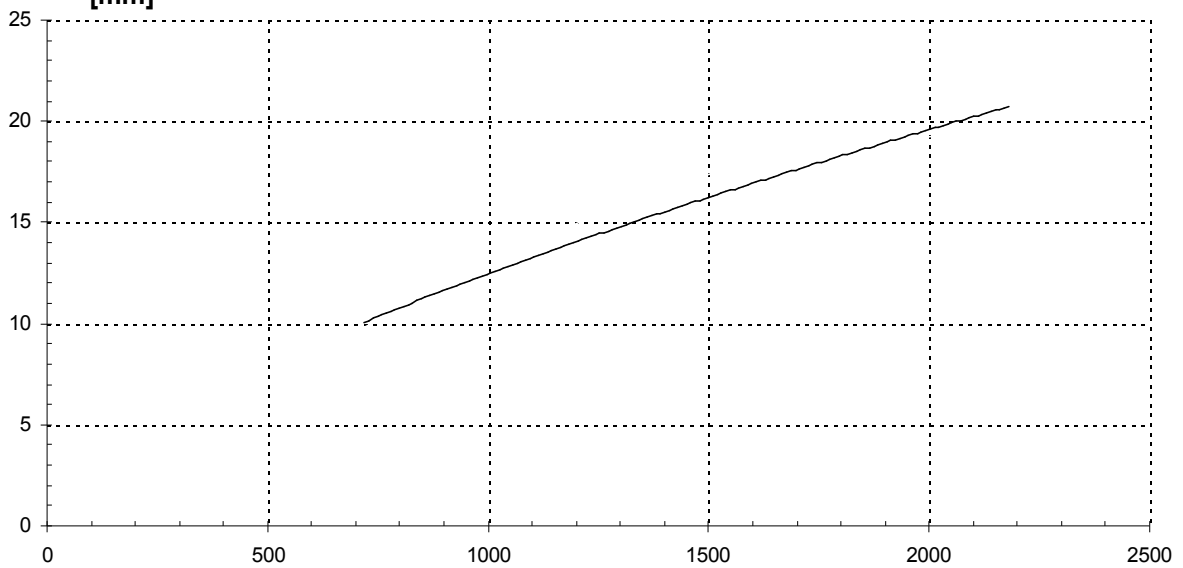
base version

	SIT	S	M
Robust	ART.-No. 1376356000	ART.-No. 1376357000	ART.-No.
Clean	ART.-No.	ART.-No.	ART.-No.
Antistatic	ART.-No.	ART.-No.	ART.-No.

Notes:

- 1) Standard values for pneumatic tires should be considered for tire clearance !
- 2) Valid for intermittent service only. Consult engineering department for tire load capacity in case of continuous service.
- 3) Other vehicles: platform trucks, trailer, tractive units, straddle carriers, fork lifts without counterbalance etc.
- 4) For tires used on straddle carriers and straddle fork lifts with max. speed of 25 km/h the load capacity of steered wheels have to be used.

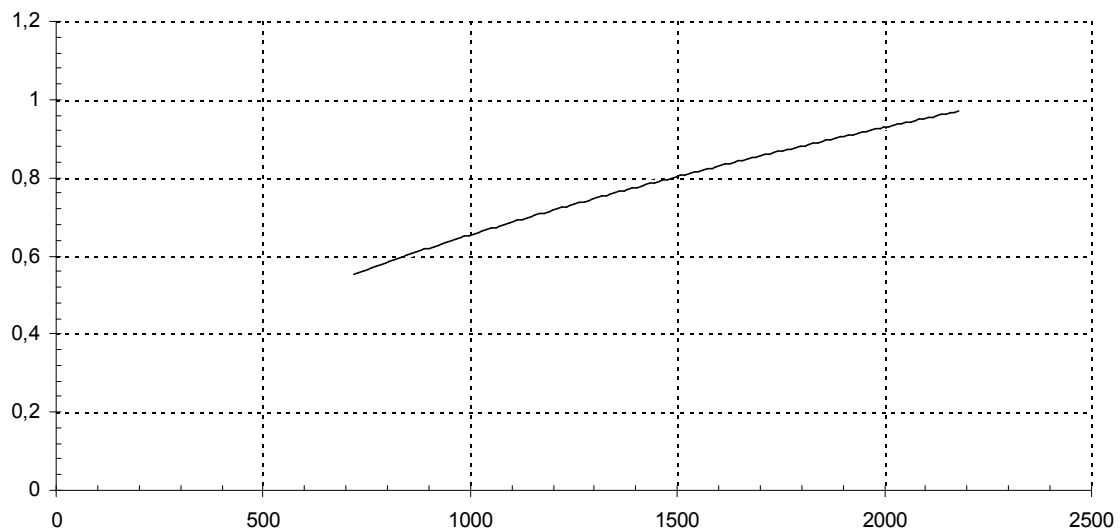
Deflection [mm]



Tire Load [kg]

$$\text{Ground Contact Area [cm}^2\text{]} = \frac{\text{Tire Load [kg]}}{\text{Ground Press. [MPa]} \times 10}$$

Ground Pressure [MPa]



Tire Load [kg]



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