

Datasheet

Date : 01.10.2013 Page 1 of 2

Super-Elastic-Tire for Industrial Vehicles

5.00 - 8 / 3.00

SC20

Mileage+

Rim : **3.00 D-8**

Cylindrical rim diameter [mm] : **197,5 ± 0,4**

Tire dimensions

1) **Standard values max. in service according ETRTO**

	Solid	Pneum.
Overall diameter [mm] :	458	476
Overall width [mm] :	143	143
Dual spacing [mm] :	158	158



Actual values

Overall diameter [mm] :	459 ± 1%	Tire weight [kg] :	16,7 ± 1%
Overall width [mm] :	126 ± 2%	Tread depth [mm] :	22,0
Tread width [mm] :	109 ± 2%	Tread rubber height [mm] :	43,0
Tread edge diameter [mm] :	452 ± 1%	(above 60-Joule-indicator)	
Static radius * [mm] :	216 ± 1%	Rolling resistance * [%] :	1,9 ± 0,1
Rolling circumference * [mm] :	1429 ± 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)
111 A5	1645	1415	1285	1090	1415	1090

Base version

	SIT	S	M
Robust	ART.-No. 1376347000	ART.-No. 1376348000	ART.-No.
Clean	ART.-No.	ART.-No.	ART.-No.
Antistatic	ART.-No.	ART.-No.	ART.-No.

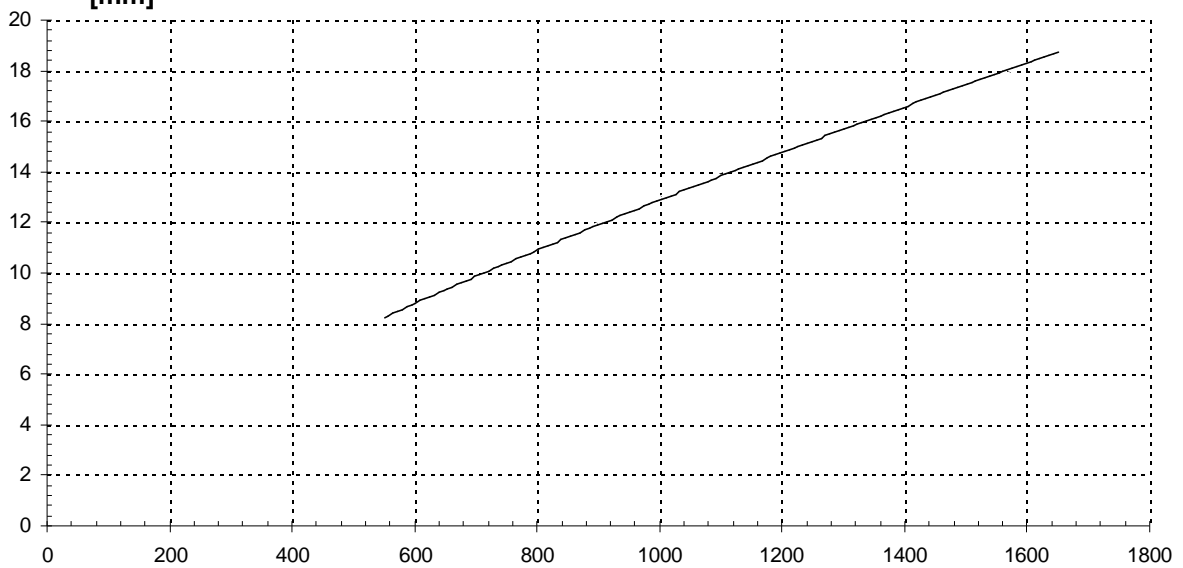
Notes:

- 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.

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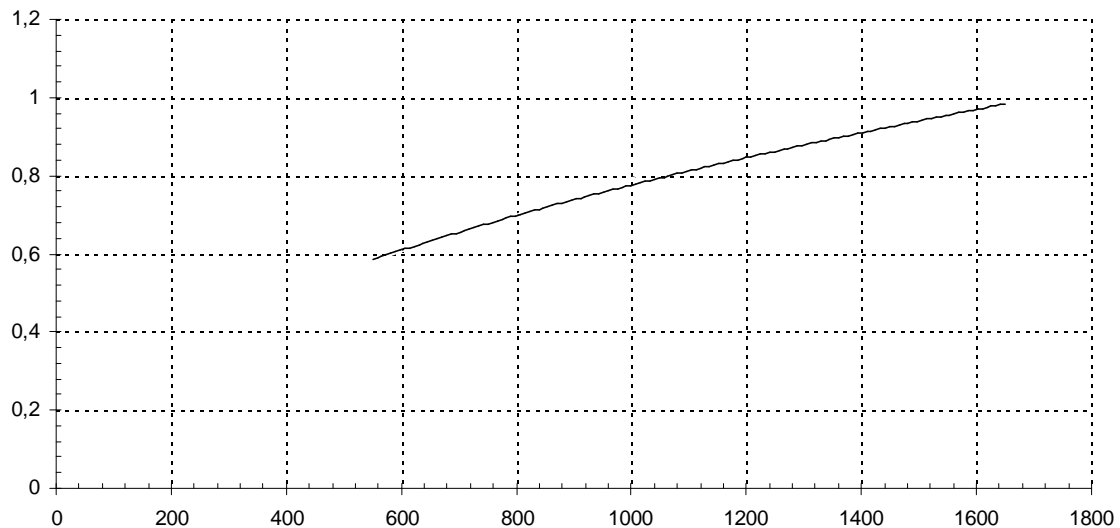
Deflection [mm]



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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