Specifications: steering axle for motorized vehicle

(V03_EN)

COMPANY (CUSTOMER)	
PROJECT (Art. Customer)	
Contact Name	
Phone	
Fax	
E-mail	
Date	

VEHICLE	
Gross vehicle weight rating [kg]	
Unloaded total weight [kg]	
Loaded speed [km/h]	
Unloaded speed [km/h]	
Annual quantity [unit]	
Production start date:	

WORKING ENVIRONMENT

Explosive Atmosphere:	☐ yes ☐ no	Temperature (°C)	
		Humidity level (%)	

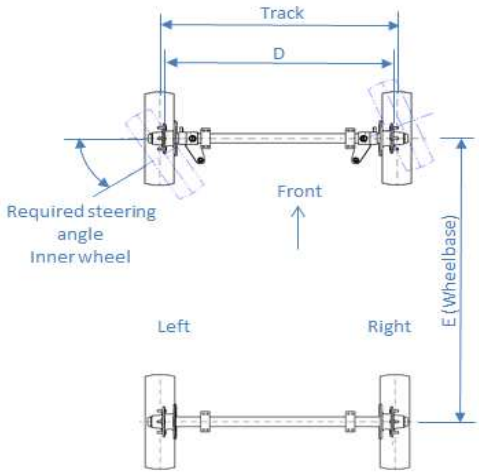
AXLE

Rear or Front axle	☐ FRONT ☐ REAR	Wheelbase = E [mm]	
Maximum static load [kg]		Distance between flanges = D [mm]	
Maximum dynamic load [kg]		Track [mm]	
Unloaded weight [kg]		Steering	☐ yes ☐ no
		Required steering angle [degree]	

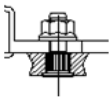
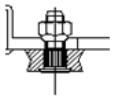
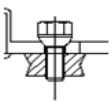
☐ Negative offset — d= -

☐ Zero offset

☐ Positive offset — d= +

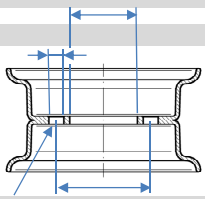


WHEEL

Complet wheel:	☐ yes ☐ No	☐ Stud + flat collar nut	
if yes, specify:	☐ Pneumatic tires		
	☐ Solid tires		
	☐ Non-marking tires	☐ Stud + spherical collar bolt	
Wheel size			
Static loaded radius [mm]			
Rim size		☐ Spherical collar bolt	
Complete:			

Rim centring [mm] Ø C

Drilling for rim fixing [mm] Ø



Diameter of rim drilling [mm] Ø

Quantity of holes

Same wheels on rear and front axle: ☐ Yes ☐ No (*)

(*): if no, specify:

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BRAKE	☐ Yes ☐ No
If yes, please specify:	
Braking torque per wheel [Nm]	☐ Yes ☐ No
or :	
Required braking deceleration [ms^{-2}]	☐ Yes ☐ No
Oil bath brake	☐ Yes ☐ No
Disc brake	☐ Yes ☐ No
Drum brake	☐ Yes ☐ No
Park brake	☐ Yes ☐ No
Maximum slope when loaded vehicle [%]	
☐ Mineral oil	☐ Synthetic oil
Homologation needed	☐ Yes ☐ No
If yes, please specify:	
Standard	

STEERING SYSTEM		
☐ Mechanical		
☐ Hydraulic	☐ single rod cylinder	
	☐ through-rod cylnder	
Maximum available pressure [bar]		
Oil		

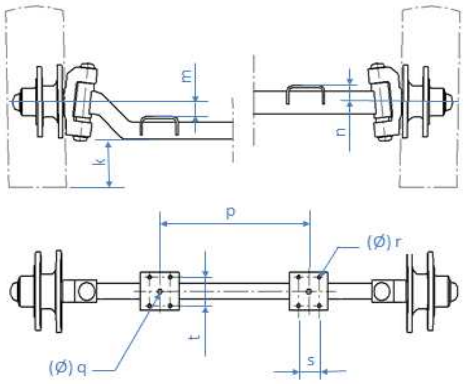
Comments

SUSPENSION	☐ Yes ☐ No
with leaf-spring	☐
with helicoïdal spring	☐
with air-spring	☐

SHOCK ABSORBER ☐ Yes ☐ No

Compléter:

Minimum ground clearance [mm] = (k)	
Plate	☐ Yes ☐ No
Distance plate face - hub axe [mm] = (m)	
Distance plate face - hub axe [mm] = (n)	
Distance between plate [mm] = (p)	
Diameter of centre bolt [mm] = (q)	
Quantity of holes on plate	
Diameter of holes on plate [mm] = (r)	
Horizontal distance between holes [mm] = (s)	
Vertical distance between holes [mm] = (s)	



Comments :

Thank you to send us rim's drawing and every drawings or sketches usefull for study.

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