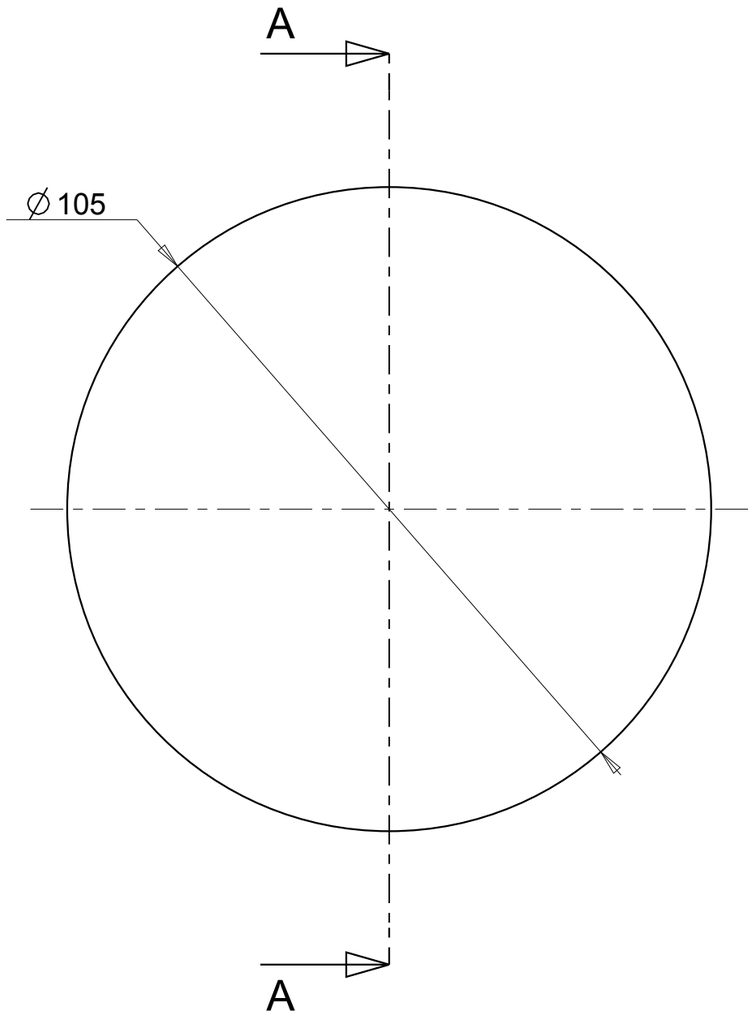

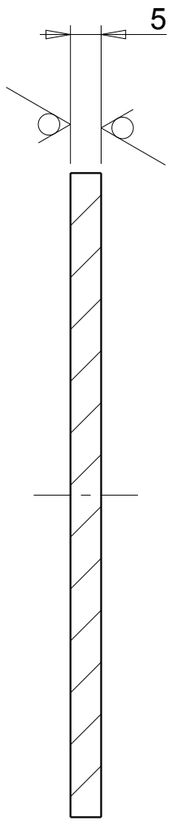

SECTION A-A

ISO 13920 Welded Construction			
	>20000	9,0	8,0
	<20000	8,0	7,0
	<16000	7,0	6,0
	<12000	6,0	5,0
	<8000	5,0	4,0
	<4000	4,0	3,0
	<2000	3,0	2,0
	<1000	2,0	1,5
	<400	1,0	1,0
	30-120	1,0	0,5
	2-30	1,0	0,5
	L mm	A ±	E ±
	Nom. Size	Class	

ISO 2768 General Tolerance			
	<4000	2,0	0,4
	<2000	1,2	0,4
	<1000	0,8	0,3
	<400	0,5	0,3
	30-120	0,3	0,2
	2-30	0,2	0,1
	L mm	m ±	K ±
	Nom. Size	Class	

TS 12708 Steel Casting			
	<1000	6,0	0,8
	<630	4,0	0,7
	<400	3,0	0,6
	<250	3,0	0,4
	100	2,0	0,3
	40	1,5	0,2
	L mm	Raw	Form
	Nom. Size	Class	

STEEL SHEETS NOTES:

Thermal cutting - Classification of thermal cuts - Geometrical product specification and quality tolerances According to EN ISO 9013 - 231

Hot-rolled steel plates 3 mm thick or above - Tolerances on dimensions and shape According to EN10029 - B

NOT DIMENSIONED RADIUS R=0,5
NOT DIMENSIONED CHAMFERS 0,5x45°

Ra 12.5

Technical Specifications	-				
Technical Document	-				
Fixture/Mould Asset ID.	-				
Coating/Heat Tre./Roughness	-				
Paint/Color	-	Modf.No	Modification Description	Date	Sign

No	Parça Ad Designation Name of Item	Adet Qty.	Resim No / Norm Drawing No / Norm	Malzeme Material	Ölçü Dimension	Ağirlik Weight (Kg)
				S355J2 EN 10025		0.3
TYP	ISO 1302 ISO 8015 EN 22553		General Tol.	ISO 2768 f ☐ m☒ H☐ K☒		
	EN 15085-2 Certification Level CL1☐ CL2☐ CL3☐ CL4☐		Weld Prod.	ISO 13920 A☒ B☐ E☒ F☐		
			Cast Steel	ISO 12708 Lm2☐ Lr2☐ Sm2☐ Sr2☐		
	Approved P.FARINA		Scale			
	Checked M.BORLO		1:1			
	Prepared E.PINTUS					
	Plug					
	Date:02/07/2018			Sheet:1/1	Size:A3	Rev:00

TÜVASAS
Turkish Wagon Industry

EM20.24.03.20.006

Reproduction, dissemination or use of this document or its all contents in any form without the prior written permission of TUVASAS, is prohibited. Offenders will be liable for the payment of damages. All rights reserved in the event of the grant of a patent, utility model or ornamental design registration.