



LOADING GAUGE  
UIC 505-1 Par. 5.2

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TCDD ( STATIC )

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TECHNICAL DATA	
Type	Trailer Bogie
Running speed	up to 120 km/h
Max axle load (Design)	19 t
Wheelbase	2400 mm
Wheel diameter (new/worn)	840/770
Track gauge	1435 mm
Smallest radius of curvature in service/workshop	150/100 m

MAX. BOGIE DISPLACEMENT (mm)	
PRIMARY SUSPENSION	
Max. vertical downward displacement (Z-)	25 mm
Max. vertical upward displacement (Z+)	± 28 mm
Max. transversal displacement (Y)	± 5 mm
Max. longitudinal displacement (X)	± 5 mm
SECONDARY SUSPENSION	
Max. vertical downward displacement (Z-)	50 mm
Max. vertical upward displacement (Z+)	± 30 mm
Max. transversal displacement (Y)	± 50 mm
Max. longitudinal displacement (X)	± 10 mm

BOGIE SHOWN IN AWO CONDITION

Technical Specifications					
Technical Document					
Figure/Model Asset ID					
Coating/Heat Tre./Roughness					
Paint/Color					

16	Pneumatic brake system installation	1	0210.04.08.10000	-	-	-	18kg
15	Head equipment supports assembly installation	1	0211.04.24.10000	-	-	-	24.1kg
14	Levelling Valve installation	1	0210.04.23.10000	-	-	-	1.1kg
13	Monitoring system installation	1	0211.04.19.10000	-	-	-	7.5kg
12	Linter roll assembly installation	1	0210.04.17.10000	-	-	-	2.2kg
11	Remote control system assembly installation	1	0210.04.14.10000	-	-	-	12.1kg
10	Axiobox Electric Device installation	1	0211.04.16.10000	-	-	-	0.2kg
9	Secondary suspension assembly installation	1	0210.04.13.10000	-	-	-	211.5kg
8	Identification plate installation	1	0210.04.12.10000	-	-	-	0.5kg
7	Ground system installation	1	0211.04.11.10000	-	-	-	1kg
6	Traction system installation	1	0210.04.10.10000	-	-	-	161.5kg
5	Brake caliper installation	1	0210.04.07.10000	-	-	-	206.4kg
4	Antiroll Bar Installation	1	0210.04.06.10000	-	-	-	66.4kg
3	Primary suspension assembly installation	1	0210.04.05.10000	-	-	-	214.5kg
2	Complete wheelset assembly installation	1	0211.04.04.10000	-	-	-	101kg
1	Trailer bogie frame machined	1	0211.04.03.10000	-	-	-	1625.1kg
							5743.3

No	Paraçay	Adet	Resim No / Norm	Malzeme	Olup	Ağırlık
Designation Name of Item						
ISO 21920-1	ISO 8015	ISO 2552	General Tol.	ISO 2768	1	1
EN 15085-2 Certification Level	CL1	CL2	Weld Pro.	ISO 15620	A2	B1
Approved	L.Giovannazzo	28/06/2023	Scale	Cast Steel	1:10	80/1
Checked	M.Borlu	28/06/2023				
Prepared	S.Ponzo	28/06/2023				
Trailer_Bogie_Type_1_OA1						
-						
TYP						
Date: 05/01/2024						
Sheet : 1/1						
Size: A0   Rev: 01						

TURASAS

Turkish Railway Vehicles Industry Inc.

GZ11.04.00.00000