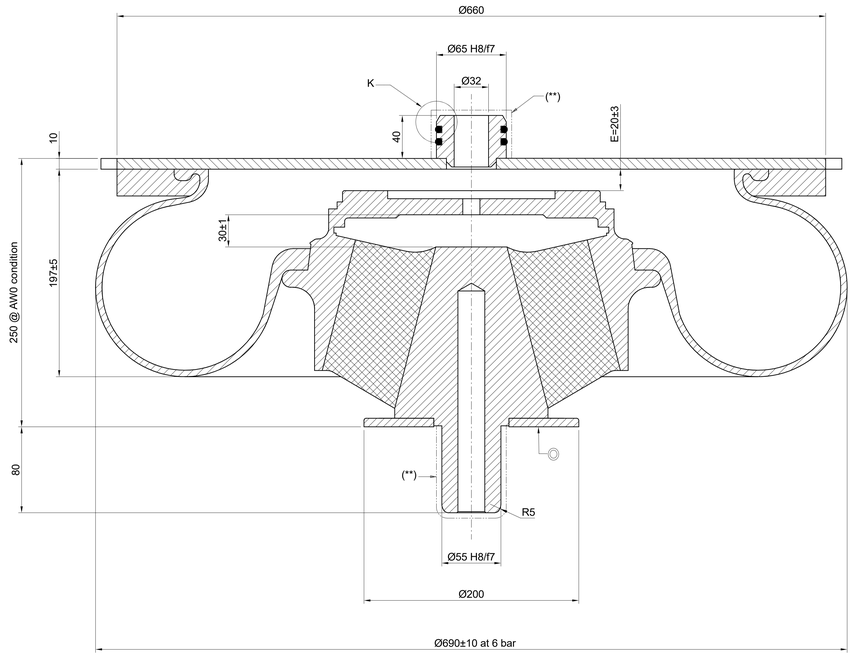
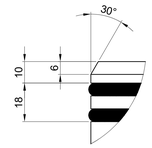
SECTION A-A



DETAIL "K"
Scale 1:1



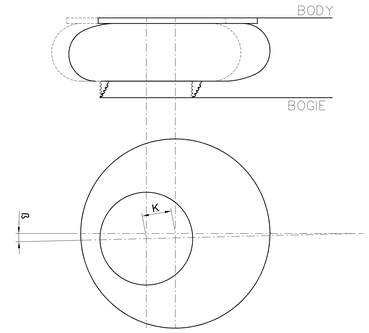
-Design according to Technical Specification TS-04.079

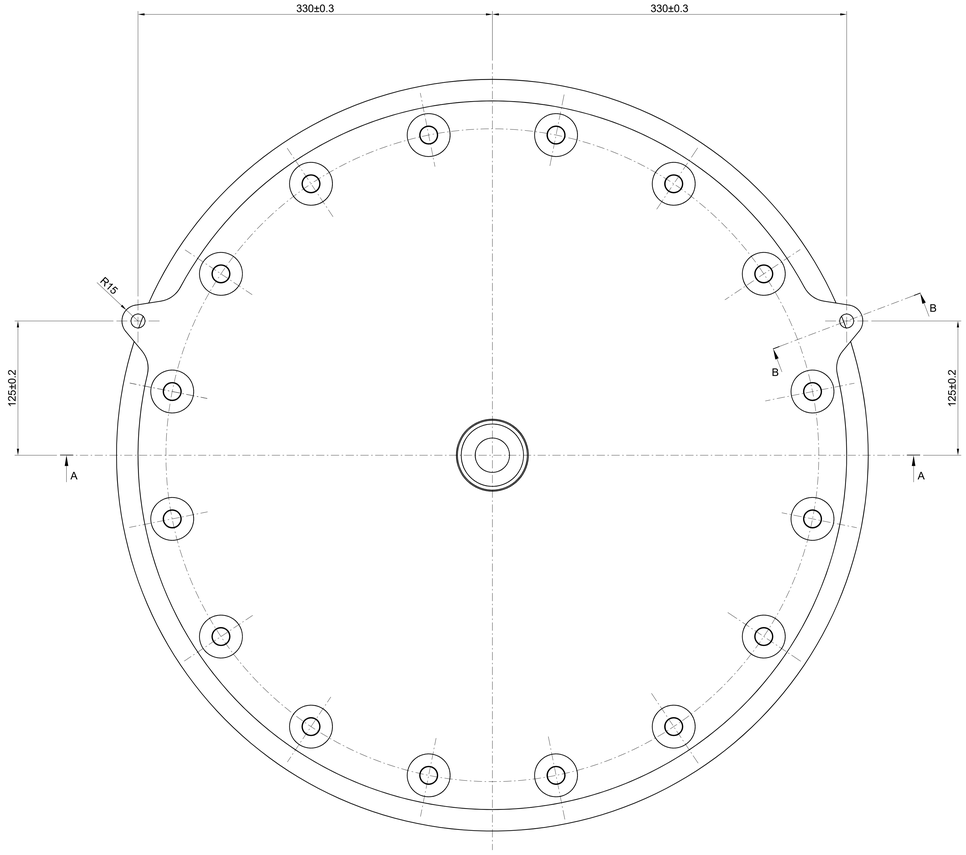
Max displacements

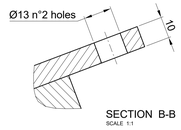
- Max. downward Sz1= -52 mm (32+20)
- Max. upward Sz2= +30 mm

- Minumin horizontal curve radius in workshop (100 m)
  (exceptional - inflated/deflated air spring)
  ß= 6°
  Lateral max. Sy= -20 mm
  Longitudinal max. Sx= 10 mm
  K = 120 mm

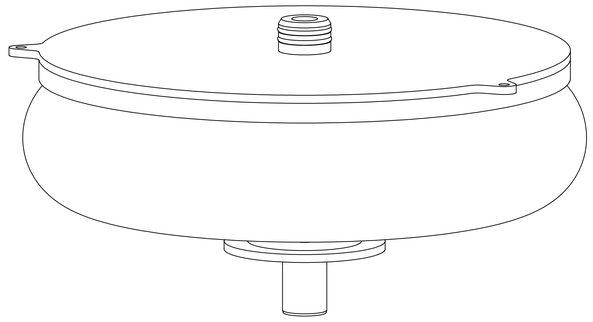
- Min horizontal line curve radius (150 m)
  (normal service - inflated air spring)
  ß= 4.5°
  Lateral max. Sy= -50 mm
  Longitudinal max. Sx= 10 mm
  k = 100 mm







SECTION B-B
SCALE 1:1



ISO View

ISO 13920 Kaynaklı Imalat		
<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	Hem	Iç.
Anma Boy	Sınıf	

ISO 2768 Genel Toleranslı		
<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 ±
Anma Boy	Sınıf	

TS 12708 Çelik Döküm		
>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 ±
Anma Boy	Sınıf	

PAINTING
Painting in accordance with TD-GZ.10.0055
-Protect from painting all threaded holes and machined surfaces marked with ○
-Protect only with primer all surfaces marked with ◎

All metal part identified with (**) shall be galvanized with treatment according to ISO 2081 or equivalent.

Item No	Designation Name of Item	Qty.	Standard Code Identification No	Material	Dimension	Weight (Kg)
	ISO 1302 ISO 8015 ISO 2553		General Tol.	ISO 2768	f m H K	
	EN 15085-2 Certification Level		Weld Pro.	ISO 13920	A B E F	
			Cast Steel	ISO 12708	CL1 CL2 CL3 CL4 Lm2 Lv2 Sm2 Sv2	

Approved	M. GORLANI	Scale	TURASAS
Checked	M. BORLO	1:2	Turkish Railway Vehicles Industry Inc.
Prepared	MARCO EID		
TYP	Air Spring System		GZ90.04.10.00007
Date: 17/06/2021	Parts List No:	Sheet: 1/1	Size:A0 Rev:04

Technical Specifications		4	UPDATED INTERFACE DESIGN	21.01.2026	T.SABA
Technical Document		3	UPDATED METAL STOP, ADDED PAINTING NOTE	21/03/2023	O. CARLINO
Fixture/Mould Asset ID.		2	UPDATED INTERFACE PLATE DESIGN	28/01/2022	O. PISANO
Coating/Heat Tre./Roughness		1	UPDATING DRAWING	24/08/2021	H. BELHAJ
Paint/Color		Modif. No	Modification Description	Date	Sign

Bu dökümün veya çiziminin gizlilik hakkı Türasaş'a aittir. Yazılı izni olmadan kopya çıkarılamaz, çoğaltılamaz ve başka amaçlarla kullanılamaz. Bu belge ve metal kopyasını izinsiz veya yetkisiz kişilere teslim edemez veya başka yerlere gönderemez.