



INFORMATION DOCUMENT
According to ECE R34.04
TANKS FOR LIQUID FUEL AS
SEPARATE TECHNICAL UNITS

Original Date	03.07.2023
Extension Date	-
Extension Number	-
Document Number	R34_HARE

Extension to the ECE Type Approval No: Not applicable

Reason(s) for extension: Not applicable

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1. GENERAL CONSTRUCTION CHARACTERISTICS OF THE VEHICLE
3. POWER PLANT

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HAYATİ YILMAZ
GENERAL MANAGER



HARE ASANSÖR (MÜLT. İNŞ. ELE)
TİH. İNŞ. SAN. TİC. LTD. ŞTİ.
Mtl. Dağlar 201 20 Sütlüce Mahallesi
P.S. Sok. No: 71 Etiler / Beşiktaş
Halka Yolu Durakları No: 457 051 801
Mersis No: 0457 0518 0190 0011



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0. GENERAL

0.1. Make (trade name of manufacturer):

HARE

0.2. Type and general commercial description:

Type: HARE-1

Commercial description: Refer to Annex I

0.3. Means of identification of type, if marked on the vehicle:

Not applicable

0.3.1. Location of that marking:

Not applicable

0.4. Category of vehicle (c):

N3

0.5. Name and address of manufacturer:

HARE ASANSÖR İMALAT İNŞAAT ELEKTRONİK İTHALAT İHRACAT SANAYİ TİCARET
LİMİTED ŞİRKETİ
SUNDURÂ MAH. 45. SK. NO:21 HOPA / ARTVİN / TURKEY

0.8. Address(es) of assembly plant(s):

HARE ASANSÖR İMALAT İNŞAAT ELEKTRONİK İTHALAT İHRACAT SANAYİ TİCARET
LİMİTED ŞİRKETİ
SUNDURÂ MAH. 45. SK. NO:21 HOPA / ARTVİN / TURKEY

0.9. Location of ECE approval mark:

Above the fuel neck area of the tank



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1. GENERAL CONSTRUCTION CHARACTERISTICS OF THE VEHICLE

1.1. Photographs and/or drawings of a representative vehicle (different body styles only):

Not applicable

3. POWER PLANT

3.2.2. Fuel: diesel oil/petrol/LPG/any other

3.2.3. Fuel tank(s)

3.2.3.1 Service fuel tank(s)

3.2.3.1.1. Number, capacity, material:

Refer to Annex I

3.2.3.1.2. Drawing and technical description of the tank(s) with all the connections and all lines of the breathing and venting system, locks, valves, fastening devices:

Refer to Annex II

The fuel tank has not any accessories

3.2.3.1.3. Drawing showing clearly the position of the tanks in the vehicle:

Refer to Annex II

3.2.3.2 Reserve fuel tank(s):

Not applicable

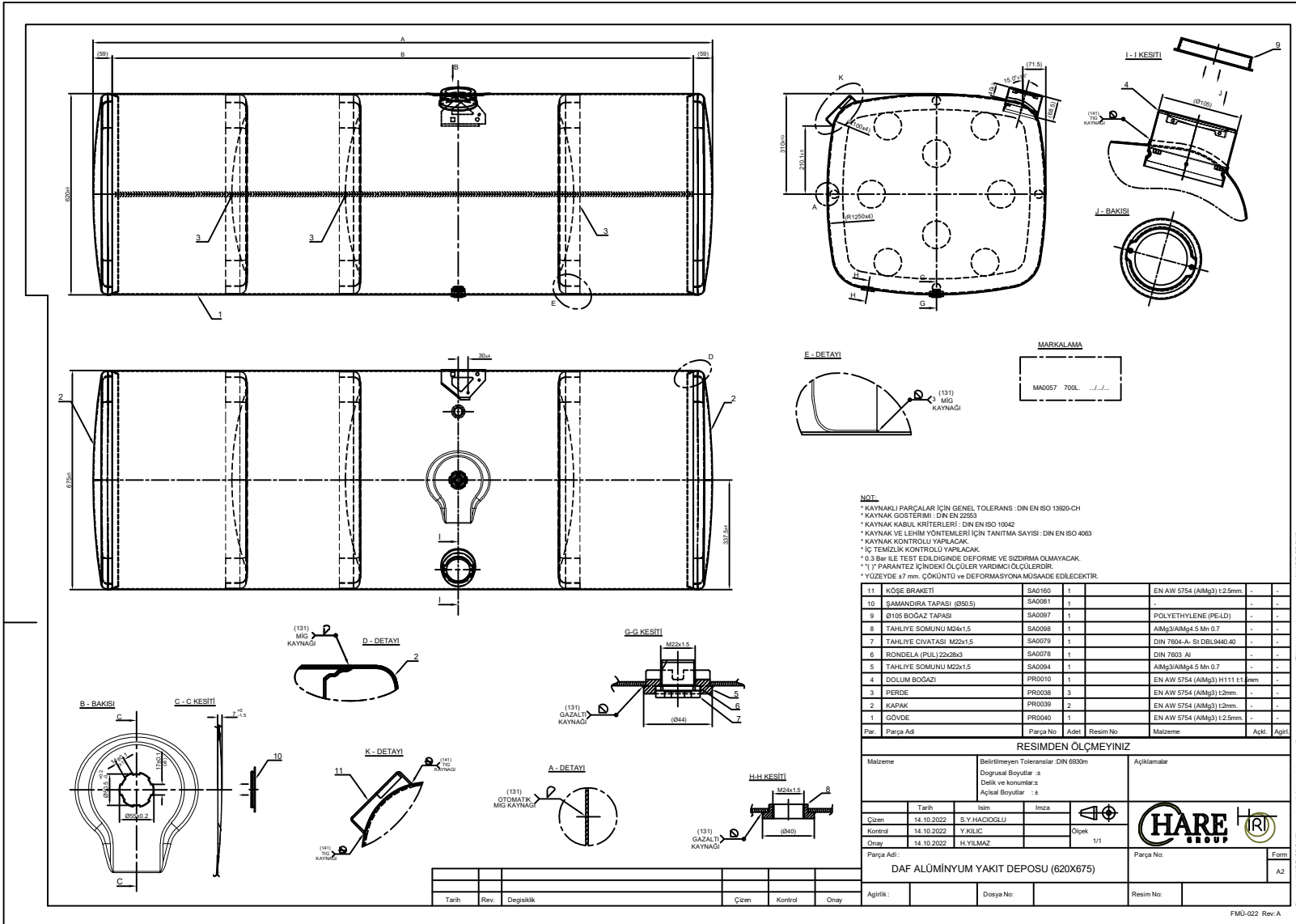


ITEM NO	OUR CODE	OEM'S	OEM CODE	MATERIAL	CAPACITY(LT)	DIMENSION			WALL THICKNESS
						HEIGHT(Y)	WIDTH(G)	LENGTH(U)	
1.	MA0030	MAN	81.122.015.500	DIN EN 10130-DC01	600	620	675	1335	1,5 MM
		MAN	81.122.015.506						
		MAN	81.122.015.579						
		MAN	81.122.015.645						
		MAN	81.122.015.664						
		MAN	81.122.015.677						
2.	MA0031	MAN	83.122.010.524	DIN EN 10130-DC01	400	620	675	1050	1,5 MM
		MAN	83.122.015.533						
		MAN	81.122.016.117						
3.	MA0032	MAN	83.122.010.525	DIN EN 10130-DC01	220	620	675	585	1,5 MM
		MAN	83.122.015.532						
4.	MA0033	MAN	83.122.010.523	DIN EN 10130-DC01	300	620	675	800	1,5 MM
		MAN	83.122.015.531						
5.	MA0034	MAN	81.122.016.581	DIN EN 10130-DC01	300	515	615	1050	1,5 MM
		MAN	81.122.015.552						
		MAN	81.122.016.129						
		MAN	81.122.016.313						
		MAN	81.122.016.584						
7.	MA0003	MERCEDES	A375 470 22 01	DIN EN 10130-DC01	300	560	640	945	1,5 MM
	MA0003	MERCEDES	A941 470 11 01						
	MA0003	MERCEDES	A375 470 27 01						
	MA0003	MERCEDES	A941 470 04 01						
8.	MA0004	MERCEDES	A375 470 13 01	DIN EN 10130-DC01	230	560	640	725	1,5 MM
		MERCEDES	A375 470 20 01						
9.	MA0005	MERCEDES	A 375 547 2110	DIN EN 10130-DC01	200	560	640	700	1,5 MM
10.	MA0006	MERCEDES	A375 470 19 01	DIN EN 10130-DC01	400	560	640	1250	1,5 MM
		MERCEDES	A941 470 03 01						
11.	MA0007	MERCEDES	A941 470 05 01	DIN EN 10130-DC01	500	560	640	1560	1,5 MM
12.	MA0060	VOLVO	20367144	ALMG3 (5754)	690	710	690	1730	2,5 MM
		VOLVO	20503514						
13.	MA0061	VOLVO	20503510	ALMG3 (5754)	610	710	690	1530	2,5 MM
14.	MA0062	VOLVO	20503509	ALMG3 (5754)	570	710	690	1430	2,5 MM
15.	MA0063	VOLVO	20367140	ALMG3 (5754)	530	710	690	1330	2,5 MM
		VOLVO	20503508						
		VOLVO	21516451						
16.	MA0064	VOLVO	20503507	ALMG3 (5754)	490	710	690	1230	2,5 MM
17.	MA0065	VOLVO	20367138	ALMG3 (5754)	500	710	690	1260	2,5 MM
18.	MA0066	VOLVO	20424027	ALMG3 (5754)	450	710	690	1130	2,5 MM
19.	MA0067	VOLVO	21516447	ALMG3 (5754)	405	710	690	1030	2,5 MM
	MA0067	VOLVO	20503505						
	MA0067	VOLVO	20367137						
20.	MA0068	VOLVO		ALMG3 (5754)	365	710	690	930	2,5 MM
21.	MA0069	VOLVO	20442192	ALMG3 (5754)	330	710	690	830	2,5 MM
		VOLVO	20503504						
22.	MA0070	VOLVO	20052088	ALMG3 (5754)	210	710	690	530	2,5 MM
		VOLVO	20503503						
23.	MA0071	VOLVO	20503502	ALMG3 (5754)	170	710	690	430	2,5 MM
		VOLVO	21062088						
24.	MA0072	VOLVO	20367143	ALMG3 (5754)	650	710	690	1630	2,5 MM
		VOLVO	20503511						
25.	MA0073	VOLVO		ALMG3 (5754)	355	710	690	900	2,5 MM

26.	MA0074	VOLVO	21177656	ALMG3 (5754)	285	710	690	715	2,5 MM
27.	MA0019	SCANIA	1517309	ALMG3 (5754)	700	670.4	700.4	1665	2,5 MM
		SCANIA	1871192						
28.	MA0020	SCANIA	1918528	ALMG3 (5754)	625	670,4	700,4	1542	2,5 MM
29.	MA0021	SCANIA	1918527	ALMG3 (5754)	570				2,5 MM
30.	MA0022	SCANIA	1517308	ALMG3 (5754)	600	670.4	700.4	1515	2,5 MM
		SCANIA	1871191						
31.	MA0023	SCANIA	1918526	ALMG3 (5754)	470	670,4	700,4	1140	2,5 MM
32.	MA0024	SCANIA	1517307	ALMG3 (5754)	500	670.4	700.4	1265	2,5 MM
		SCANIA	1871190						
33.	MA0025	SCANIA	1544778	ALMG3 (5754)	400	670.4	700.4	1014	2,5 MM
		SCANIA	1878319						
34.	MA0026	SCANIA	1863088	ALMG3 (5754)	250	670,4	700,4	625	2,5 MM
35.	MA0027	SCANIA	1517305	ALMG3 (5754)	350	670,4	700,4	866	2,5 MM
		SCANIA	1871189						
36.	MA0028	SCANIA	1517304	ALMG3 (5754)	300	670.4	700.4	675	2,5 MM
		SCANIA	1871188						
37.	MA0029	SCANIA	1517303	ALMG3 (5754)	200	670.4	700.4	505	2,5 MM
		SCANIA	1727774						
		SCANIA	1871187						
38.	MA0008	MERCEDES	A375 470 17 01	ALMG3 (5754)	650	700	700	1500	2,5 MM
		MERCEDES	A375 470 26 01						
		MERCEDES	A375 470 37 01						
		MERCEDES	A 934 470 00 01						
		MERCEDES	A 934 470 04 01						
		MERCEDES	A 934 470 05 01						
MERCEDES	A 942 470 31 01								
39.	MA0009	MERCEDES	A 375 470 31 01	ALMG3 (5754)	400	700	700	910	2,5 MM
40.	MA0010	MERCEDES		ALMG3 (5754)	900	700	700	2040	2,5 MM
41.	MA0011	MERCEDES	A 662 470 72 01	ALMG3 (5754)	700	700	700	1660	2,5 MM
		MERCEDES	A 934 470 02 01						
42.	MA0012	MERCEDES		ALMG3 (5754)	750	700	700	1700	2,5 MM
43.	MA0013	MERCEDES	A375 470 34 01	ALMG3 (5754)	500	700	700	1210	2,5 MM
		MERCEDES	A930 470 05 01						
44.	MA0014	MERCEDES	A942 470 10 01	ALMG3 (5754)	300	700	700	730	2,5 MM
		MERCEDES	A 942 470 14 01						
45.	MA0015	MERCEDES	A934 470 03 01	ALMG3 (5754)	550	700	700	1275	2,5 MM
46.	MA0016	MERCEDES	A375 470 39 01	ALMG3 (5754)	450	700	700	1035	2,5 MM
		MERCEDES	A930 470 03 01						
		MERCEDES	A934 470 07 01						
		MERCEDES	A942 470 11 01						
		MERCEDES	A942 470 14 01						
MERCEDES	A960 470 36 03								
47.	MA0017	MERCEDES		ALMG3 (5754)	800	700	700	1800	2,5 MM
48.	MA0018	MERCEDES		ALMG3 (5754)	990	700	700	2250	2,5 MM
49.	MA0049	DAF	1797438	ALMG3 (5754)	300	620	675	858	2,5 MM
50.	MA0050	DAF	1374084	ALMG3 (5754)	430	620	675	1190	2,5 MM
		DAF	1681824						
51.	MA0051	DAF	1681816	ALMG3 (5754)	350	620	675	988	2,5 MM
52.	MA0052	DAF		ALMG3 (5754)	500	620	675	1383	2,5 MM
53.	MA0053	DAF		ALMG3 (5754)	550	620	675	1517	2,5 MM

54.	MA0054	DAF	1681821	ALMG3 (5754)	600	620	675	1647	2,5 MM
		DAF	1681826						
55.	MA0055	DAF	1681821	ALMG3 (5754)	400	620	675	1118	2,5 MM
56.	MA0056	DAF		ALMG3 (5754)	630	620	675	1730	2,5 MM
57.	MA0057	DAF		ALMG3 (5754)	700	620	675	1910	2,5 MM
58.	MA0058	DAF		ALMG3 (5754)	750	620	675	2045	2,5 MM
59.	MA0059	DAF	1681821	ALMG3 (5754)	620	620	675	1700	2,5 MM
		DAF	1681826						
60.	MA0045	MERCEDES	A3754700501	ALMG3 (5754)	500	560	640	1550	2,5 MM
61.	MA0046	MERCEDES	A3754701401	ALMG3 (5754)	400	560	640	1250	2,5 MM
		MERCEDES	A9424700401						
		MERCEDES	A9314700401						
62.	MA0047	MERCEDES	A375 470 1601	ALMG3 (5754)	590	560	640	1850	2,5 MM
		MERCEDES	A375 470 30 01						
		MERCEDES	A930 470 06 01						
		MERCEDES	A942 470 06 01						
63.	MA0048	MERCEDES	A375 470 13 01	ALMG3 (5754)	300	560	640	945	2,5 MM
		MERCEDES	A375 470 27 01						
		MERCEDES	A375 470 32 01						
		MERCEDES	A941 470 04 01						
		MERCEDES	A942 470 02 01						
64.	MA0037	MAN	81.122.015.642	ALMG3 (5754)	800	620	675	2085	2,5 MM
		MAN	81.122.015.671						
		MAN	81.122.015.699						
65.	MA0038	MAN	81.122.012.090	ALMG3 (5754)	750	620	675	2000	2,5 MM
		MAN	81.122.015.523						
66.	MA0039	MAN	81.122.015.555	ALMG3 (5754)	700	620	675	1850	2,5 MM
67.	MA0040	MAN	81.122.015.500	ALMG3 (5754)	600	620	675	1602	2,5 MM
		MAN	81.122.015.506						
		MAN	81.122.015.579						
		MAN	81.122.015.645						
		MAN	81.122.015.664						
		MAN	81.122.015.677						
68.	MA0041	MAN	81.122.015.656	ALMG3 (5754)	500	620	675	1352	2,5 MM
		MAN	81.122.015.697						
		MAN	81.122.010.636						
69.	MA0042	MAN	81.122.015.675	ALMG3 (5754)	400	620	675	1070	2,5 MM
		MAN	81.122.015.690						
		MAN	81.122.016.582						
70.	MA0043	MAN	81.122.015.469	ALMG3 (5754)	300	620	675	800	2,5 MM
		MAN	81.122.015.565						
		MAN	81.122.015.640						
		MAN	81.122.015.654						
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71.	MA0044	MAN	81.122.015.469	ALMG3 (5754)	850	620	675	800	2,5 MM
		MAN							

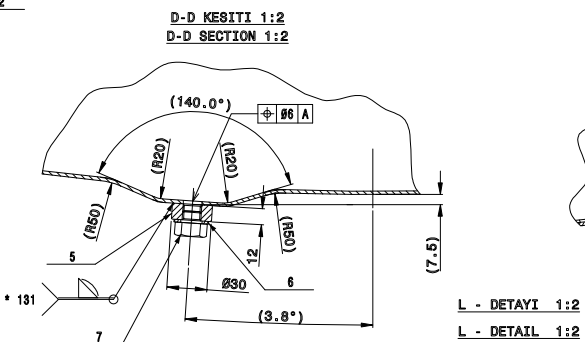
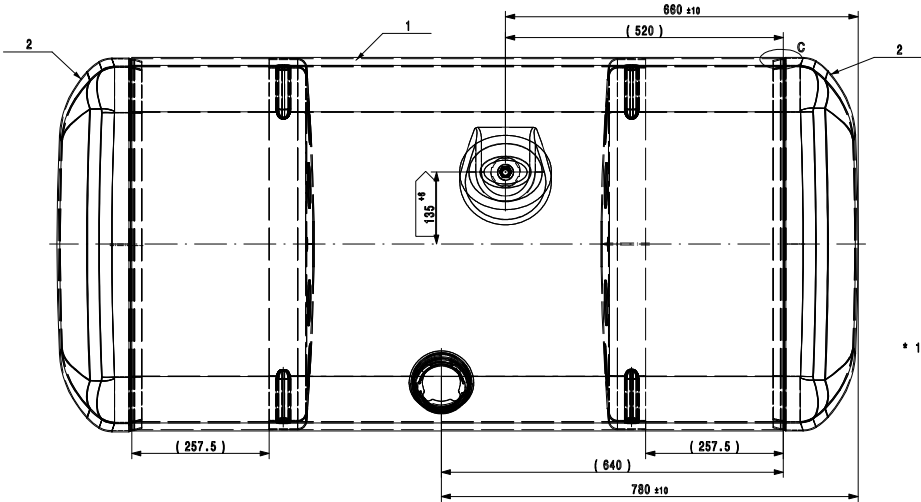
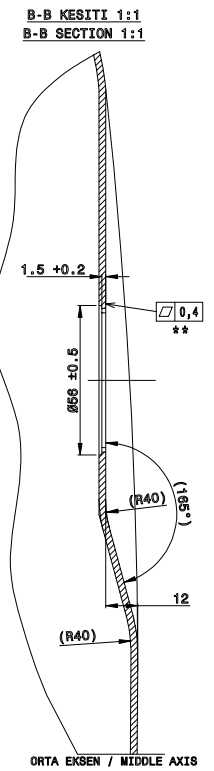
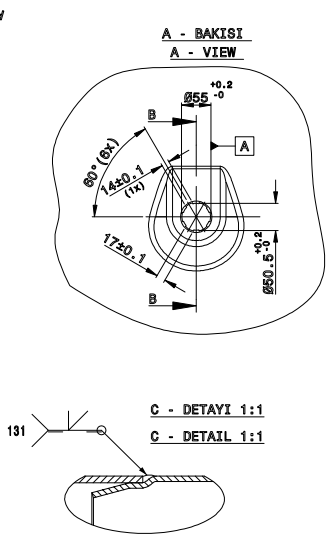
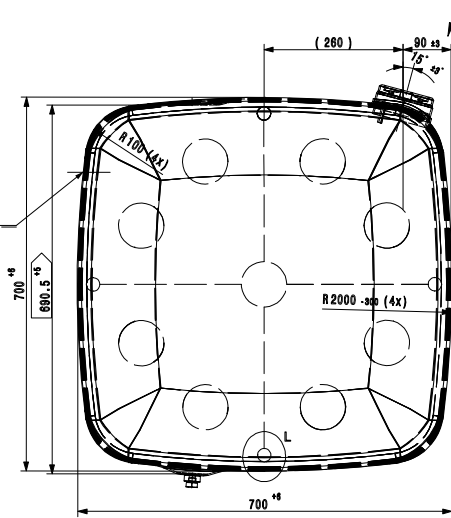
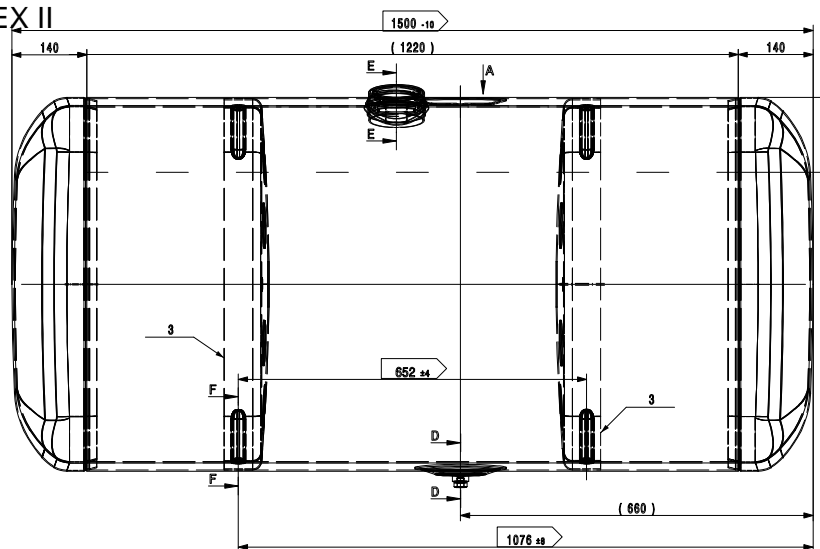
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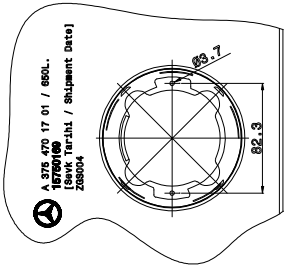
DAF ALÜMİNYUM DEPO			
HRT KOD	UZUNLUK A	GÖVDE UZUNLUĞU B	HACİM
MA0050	1190	1072	430
MA0051	988	870	350
MA0052	1383	1265	500
MA0053	1517	1399	550
MA0054	1647	1529	600
MA0055	1118	1000	400
MA0056	1730	1612	630
MA0058	2045	1927	750
MA0059	1700	1582	620

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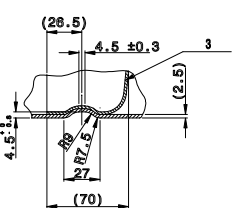
ANNEX II



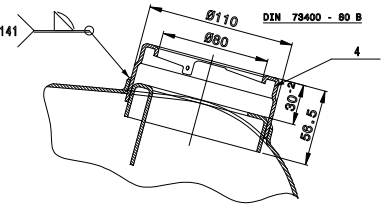
H - BAKIŞI 1:2
H - VIEW 1:2



G-G KESİTİ 1:2
G-G SECTION 1:2
(4xR100 / INNER WALL / PERDE)



E-E KESİTİ 1:2
E-E SECTION 1:2



NOT / NOTES
KONTROL ÖLÇÜLERİ / DIMENSIONS CHARACTERISTICS
KONTROL ÖLÇÜLERİ / DIMENSIONS CHARACTERISTICS

NOT / NOTES
KONTROL ÖLÇÜLERİ / DIMENSIONS CHARACTERISTICS

7	TAHLİYE ÇUVATASI M14X1.5	-	SA0016	1	D187604-A-BT-DBL8451.25	-
6	RONDELA PUL 14X20	-	SA0016	1	DIN 7905 A1	-
5	TAHLİYE SOMUNU M14X1.5	-	SA0020	1	EN ANF-8082 -T8	-
4	DOLU BGAZ	-	PR0017	1	EN AW 5754(A1Mg)H111	t1; 0mm
3	PERDE	-	PR0021	2	EN AW 5754(A1Mg)H111	t1; 0mm
2	KAPAK	-	PR0022	2	EN AW 5754(A1Mg)H111	t1; 0mm
1	GOVDE	-	PR0020	1	EN AW 5754(A1Mg)H111	t1; 0mm

RESİMDEN ÖLÇMEYİNİZ / DO NOT SCALE FROM DRAWING

Revizyon	Tarih / Date	Tanım / Name	İmza/Signature	Ölçek / Scale
01	07.10.2022	Y.KILIÇ		1 : 8
02	07.10.2022	H.YILMAZ		

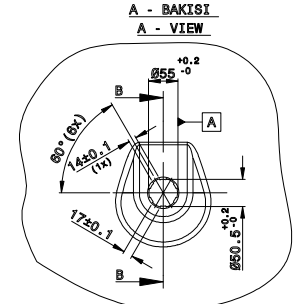
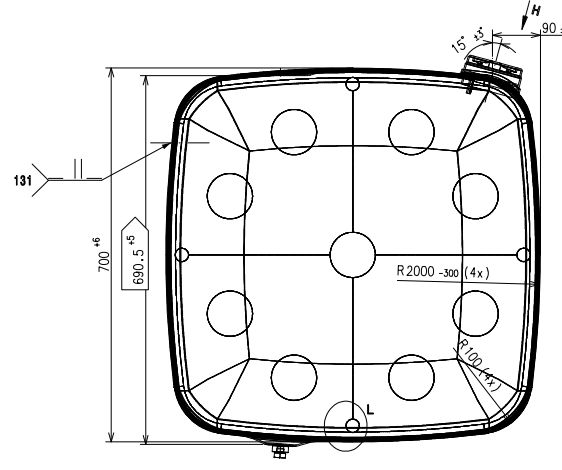
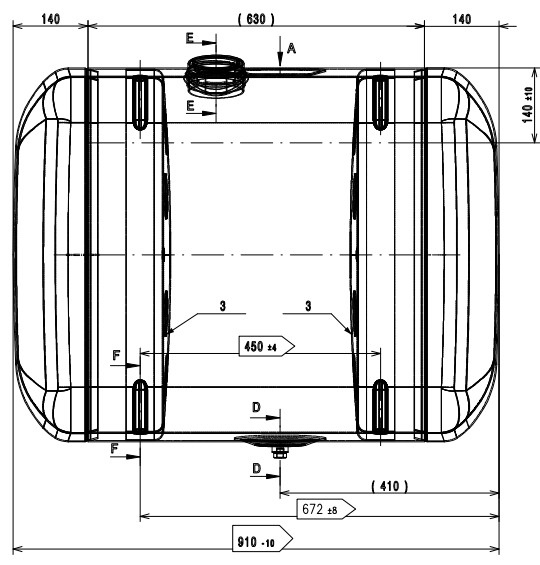
HARE GROUP

Parça Adı : (B01672) 650L YAKIT DEPOSU
Parça Numarası : MA0008 - KA0005
Form : A1

Ağırlık : 39.5 kg
Doğru Numarası :
Weight : 39.5 kg
P/N Number :

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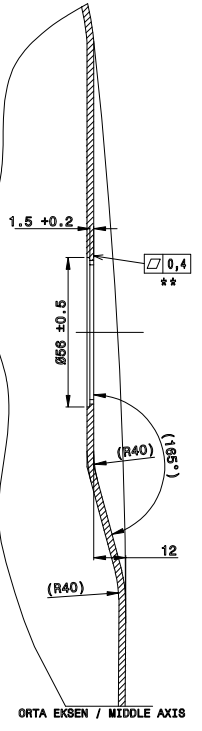
ANNEX II



B-B KESİTİ 1:1
B-B SECTION 1:1

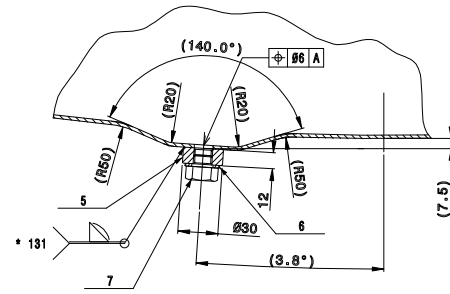
C - DETAYI 1:1
C - DETAIL 1:1

F-F KESİTİ 1:2
F-F SECTION 1:2

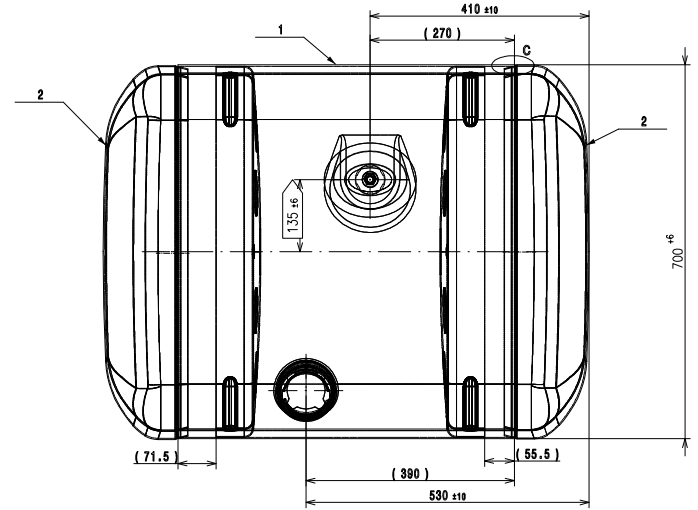
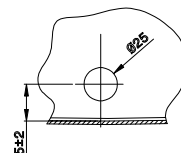


ORTA EKSEN / MIDDLE AXIS

D-D KESİTİ 1:2
D-D SECTION 1:2

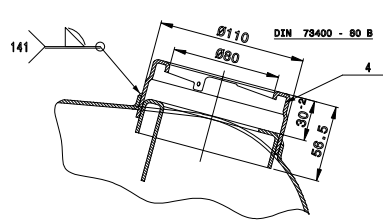


L - DETAYI 1:2
L - DETAIL 1:2

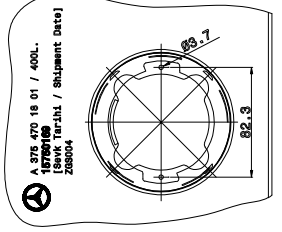
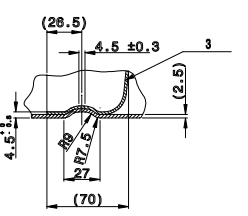


H - BAKIŞI 1:2
H - VIEW 1:2

E-E KESİTİ 1:2
E-E SECTION 1:2



G-G KESİTİ 1:2
G-G SECTION 1:2
(4xR100 / INNER WALL / PERDE)



A:376 470 18 01 / 400L.
1579009 / Parçak / Shipment Dates
ZB08004

YEREL DİL / LOCAL LANGUAGE	TÜRKÇE / TURKISH	İNGİLİZCE / ENGLISH
YEREL DİL / LOCAL LANGUAGE	TÜRKÇE / TURKISH	İNGİLİZCE / ENGLISH
NOT	NOT	NOT

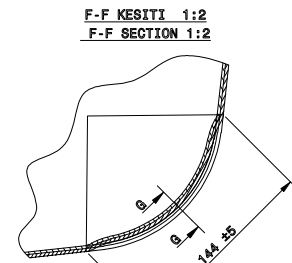
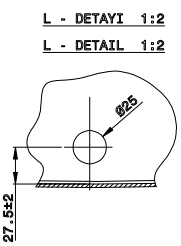
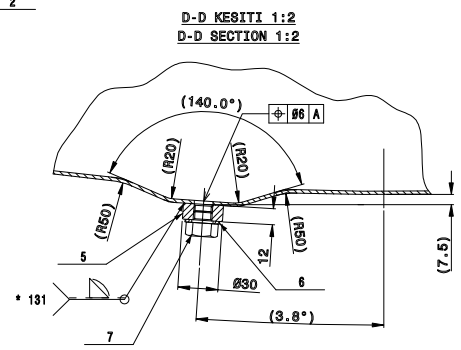
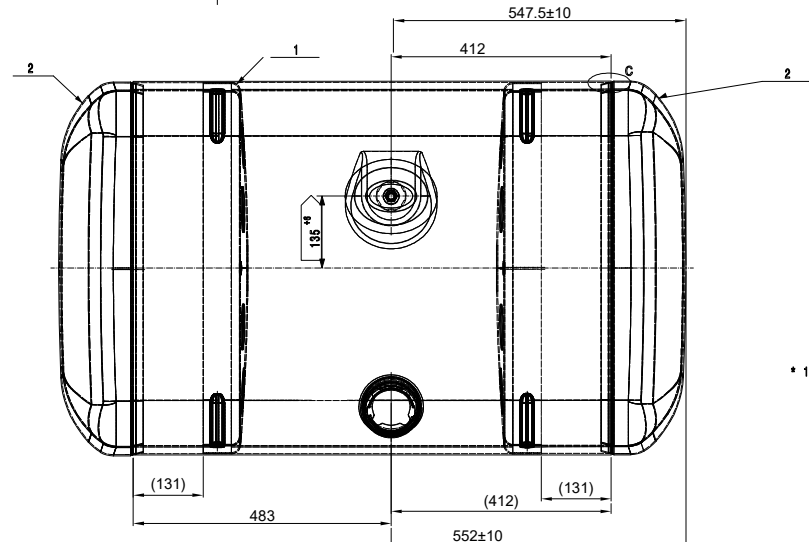
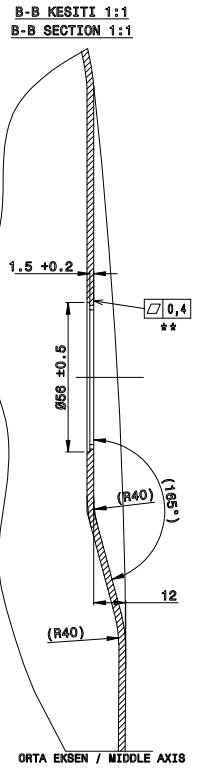
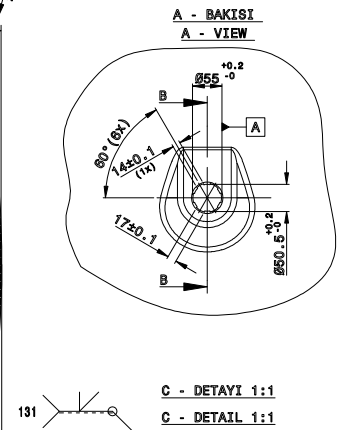
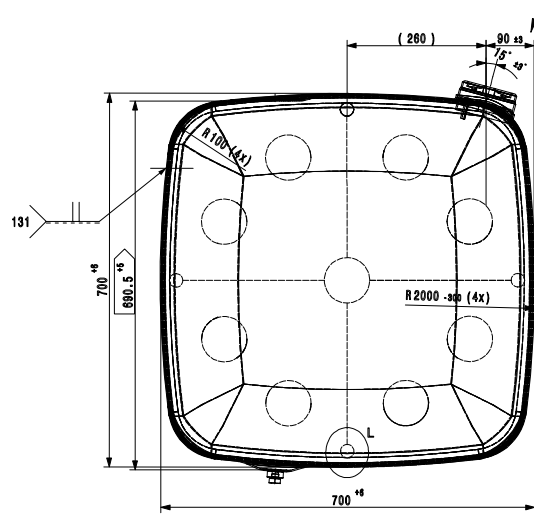
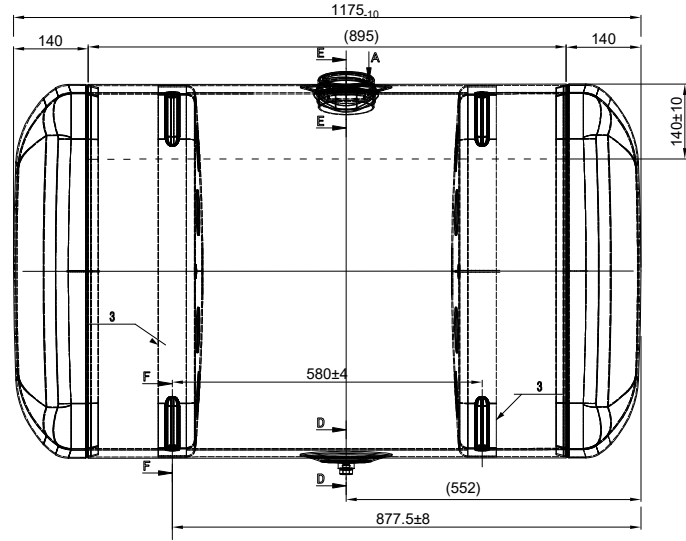
YEREL DİL / LOCAL LANGUAGE: TÜRKÇE / TURKISH
 TÜRKÇE / TURKISH: YEREL DİL / LOCAL LANGUAGE
 İNGİLİZCE / ENGLISH: YEREL DİL / LOCAL LANGUAGE

NO	TAHAYYR ÇEVRESEL İMZA / ENVIRONMENTAL SIGNATURE	SAĞIDIR / IS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
7	TAHAYYR ÇEVRESEL İMZA / ENVIRONMENTAL SIGNATURE	SAĞIDIR / IS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

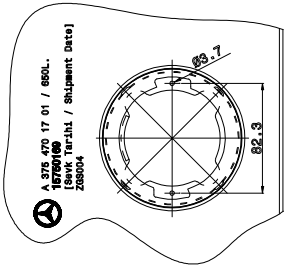
RESİMDEN ÖLÇMEYİNİZ / DO NOT SCALE FROM DRAWING

Malzeme / Material: ...
 İşletme / Operation: ...
 Tarih / Date: 07.10.2022
 İmza / Signature: Y.KILIC
 Ölçek / Scale: 1 : 8
 HARE GROUP
 Parça Adı / Part Name: (B01671) 400 L YAKIT DEPOSU
 Parça Numarası / Part Number: MA0009 - KA0006
 Formu / Form: A1
 Ağırlık / Weight: 29.5 Kg
 Değer Numarası / P/N Number: ...
 Resim Numarası / Drawing Number: ...

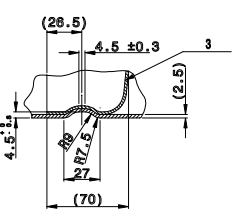
ANNEX II



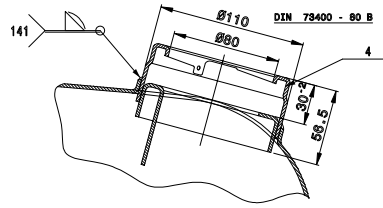
H - BAKISI 1:2 H - VIEW 1:2



G-G KESİTİ 1:2 G-G SECTION 1:2 (4xR100 / INNER WALL / PERDE)



E-E KESİTİ 1:2 E-E SECTION 1:2



NOT
KAYNAK ÇEVRELERİNE : İZDİŞİME
KAYNAK KAZMA, KESTİRELERİ İZDİŞİME İZDİŞİME KAZMA
KAYNAK VE LİNEER YERLEŞİMLERİNİN İZDİŞİME KAYNAK
İZDİŞİME KAYNAK VE LİNEER YERLEŞİMLERİNİN İZDİŞİME KAYNAK
İZDİŞİME KAYNAK VE LİNEER YERLEŞİMLERİNİN İZDİŞİME KAYNAK
İZDİŞİME KAYNAK VE LİNEER YERLEŞİMLERİNİN İZDİŞİME KAYNAK

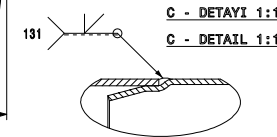
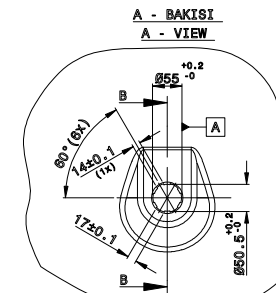
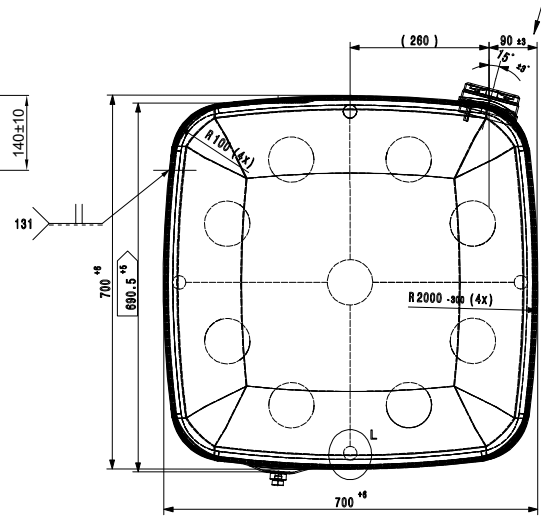
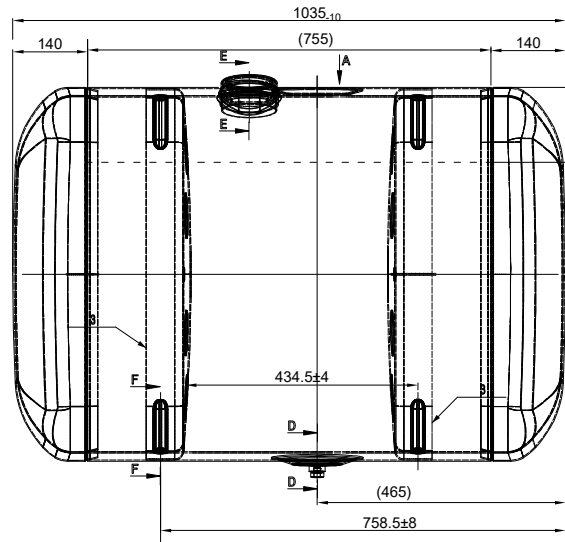
No	TANIMI / ÇEVRELERİ	SAĞIRI	1	1	1
7	TANIMI / ÇEVRELERİ M4X1.5	SA0016	1	1	1
8	RONDELA PUL 14X20	SA0016	1	1	1
9	TANIMI / ÇEVRELERİ M4X1.5	SA0020	1	1	1
10	DOLU BGAZ	PR0017	1	1	1
11	PERDE	PR0021	2	2	2
12	KAPAK	PR0022	2	2	2
13	GOVDE	PR0051	1	1	1

Parça Adı	DOĞR. No	Parça No/Adı	Basınç No	Malzeme	Kalite/Kontrol
TAHAYE SOMUNU M4X1.5	SA0016	TAHAYE SOMUNU M4X1.5	SA0020	DOLU BGAZ	PR0017
RONDELA PUL 14X20	SA0016	TAHAYE SOMUNU M4X1.5	SA0020	DOLU BGAZ	PR0017
TAHAYE SOMUNU M4X1.5	SA0020	DOLU BGAZ	PR0017	PERDE	PR0021
DOLU BGAZ	PR0017	PERDE	PR0021	KAPAK	PR0022
PERDE	PR0021	KAPAK	PR0022	GOVDE	PR0051

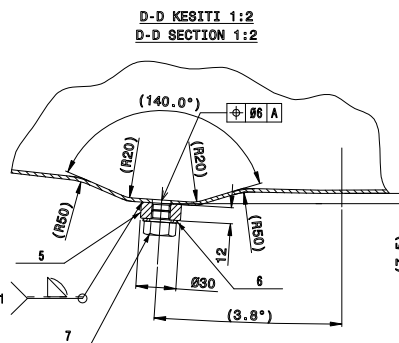
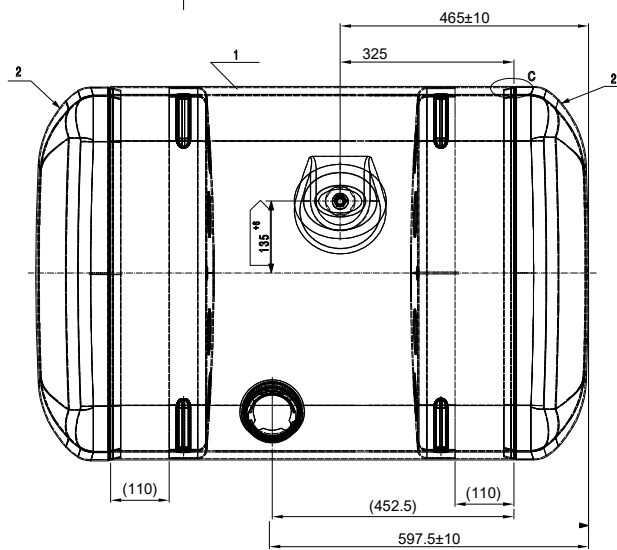
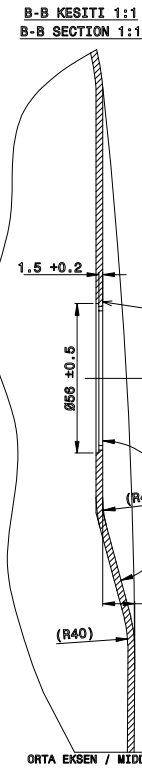
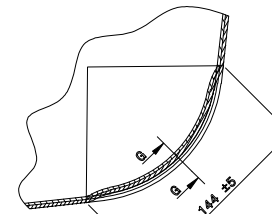
Tarih	Revizyon	Değişiklik	Yazı	İmza	Onay	Denetim	Onay
07.10.2022	1	H.KILIC	H.YILMAZ				

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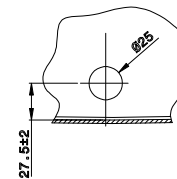
ANNEX II



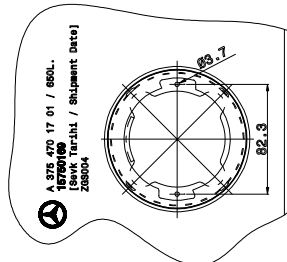
F-F KESİTİ 1:2
F-F SECTION 1:2



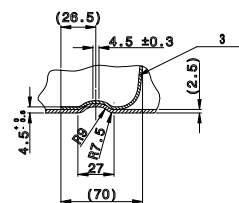
L-L KESİTİ 1:2
L-L SECTION 1:2



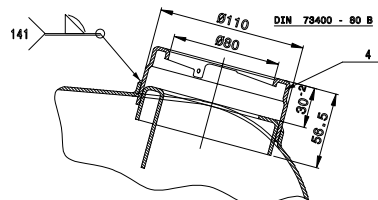
H - BAKIŞI 1:2
H - VIEW 1:2



G-G KESİTİ 1:2
G-G SECTION 1:2
(4xR100 / INNER WALL / PERDE)



E-E KESİTİ 1:2
E-E SECTION 1:2



NOTLAR
REMARKS

TEKLİF EDİLEN ÜRÜNLERİN YERİNE KULLANILAN ÜRÜNLERİN ADI VE ÜLKE KODU ÜZERİNDEN DEĞİŞTİRİLMİŞTİR.
THE SUBSTITUTES THAT ARE NOT LISTED MAY BE TAKEN FROM THE 3D MODEL.

NOT:
DİŞERİ KATMANLAR: İZİN ALINMAZ!
OTHER LAYERS: NOT ALLOWED!
MATEYERİLLERİN ÇEVRESEL VE SAĞLIK İZLENİMLERİNE İZİN ALINMAZ!
IMPACT OF THE MATERIALS ON THE ENVIRONMENT AND HEALTH IS NOT ALLOWED!

Pos.	Parça Adı / Part Name	Ölçümler / Dimensions	Parça No / Part No	Malzeme / Material	Notlar / Notes	Açıklamalar / Explanation
7	TAHLİYE ÇIVATISI M4x1,5	-	SA0016	1	-	D127F004-A-B-01-01-01-01
8	RONDELA PUL 14x20	-	SA0016	1	-	DIN 7805 A1
9	TAHLİYE SOMUNU M4x1,5	-	SA0020	1	-	EN AN-8082 -TB
4	DOLUMLU BOGAZ	-	PR0017	1	-	EN AN 8754(A1M3)H11
3	PERDE	-	PR0021	2	t1: 0mm.	EN AN 8754(A1M3)H11
2	KAPAK	-	PR0022	2	t1: 0mm.	EN AN 8754(A1M3)H11
1	GOVDE	-	PR0032	1	t1: 0mm.	EN AN 8754(A1M3)H12

RESİMDEN ÖLÇMEYİNİZ / DO NOT SCALE FROM DRAWING

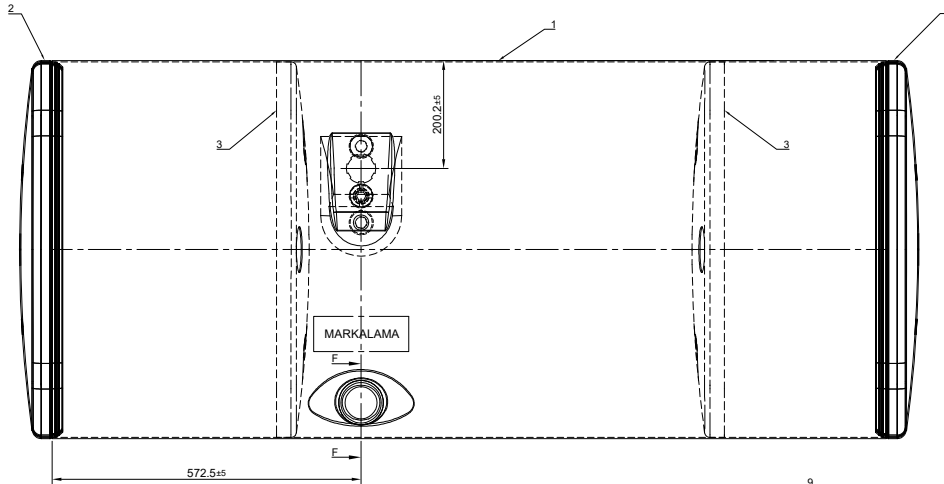
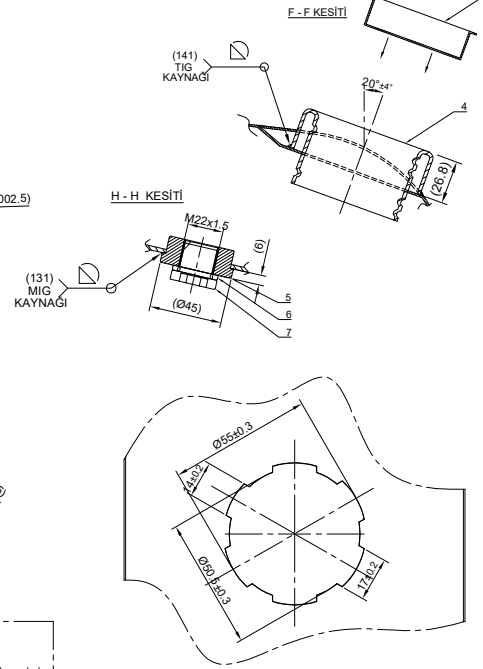
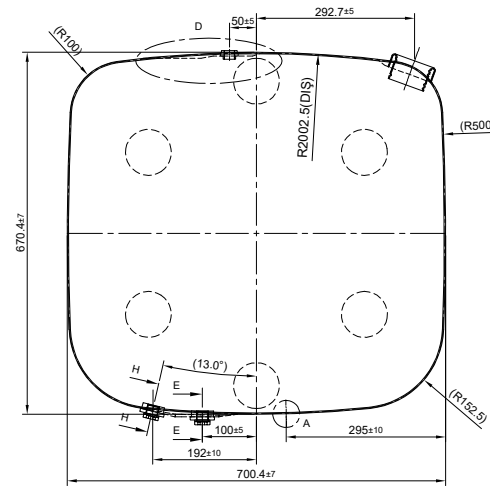
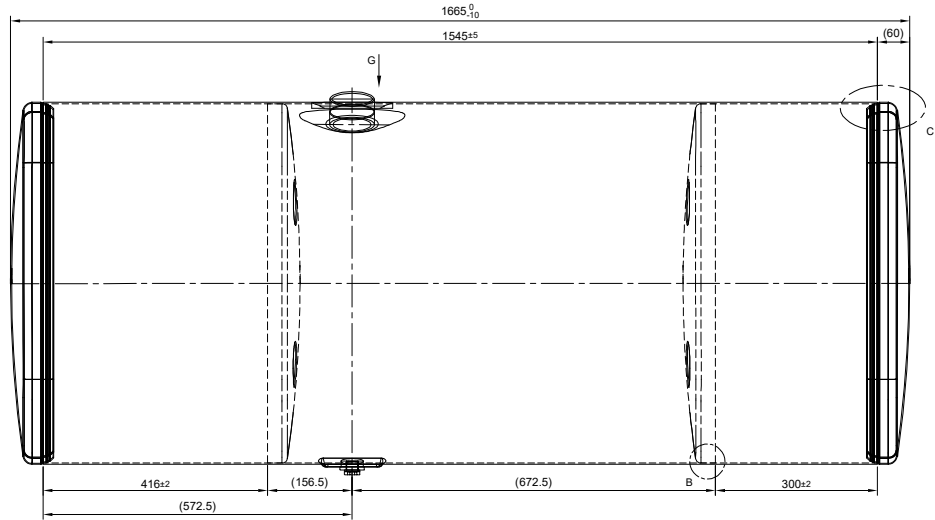
Malzeme / Material: 07.10.2022 S.Y. HAKIOĞLU / 07.10.2022 Y.KILIÇ / 07.10.2022 H.YILMAZ

Ağırlık / Weight: 39,5 kg / Değer Numarası / P114 Number: -

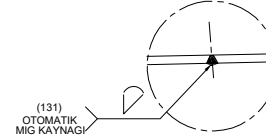
Part Adı / Part Name: (B01750) 450L YAKIT DEPOSU / Parça Numarası: MA0016 - KA0020 / Form: A1

HARE GROUP **HRI**

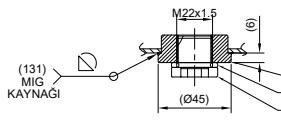
Tarih / Date	Revizyon / Revision	Değişiklik / Description	Gizem / Drawing	Kontrol / Check	Onay / Approval



A - DETAYI



E - E KESİTİ



MARKALAMA

1971192 / B02258 700L ...J...

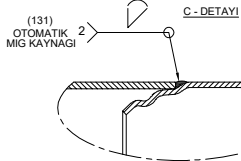
NOT:

- * KAYNAKLI PARÇALAR İÇİN GENEL TOLERANS : DIN EN ISO 13920-CH
- * KAYNAK GÖSTERİMİ : DIN EN 22553
- * KAYNAK KABUL KRİTERLERİ : DIN EN ISO 10042
- * KAYNAK VE LEHİM YÖNTEMLERİ İÇİN TANITMA SAYISI : DIN EN ISO 4063
- * KAYNAK KONTROLÜ YAPILACAK.
- * İÇ TEMİZLİK KONTROLÜ YAPILACAK.
- * 0.3 Bar İLE TEST EDİLDİĞİNDE DEFORME VE SIZDIRMA OLMAYACAK.
- * (*) PARANTEZ İÇİNDEKİ ÖLÇÜLER YARDIMCI ÖLÇÜLERDİR.
- * YÜZEYDE ±7 mm. ÇÖKÜNTÜ VE DEFORMASYONA MÜSAADE EDİLECEKTİR.

11	PLASTİK TAPA	SA0083	1	POLİETİLEN		
10	TAKOZ TAPASI	SA0082	1	SERT LASTİK		
9	ŞAMANDIRA TAPASI (Ø50.5)	SA0081	1	POLYETHYLENE (PE-LD)		
8	KEDEMELİ MANŞON 1/2" NPT	SA0080	1	AlMg3/AlMg4.5 Mn 0.7	-	-
7	TAHLİYE CİVATASI M22x1.5	SA0079	2	DIN 7804-A- St DBL9440.40	-	-
6	RONDELA (PUL) 22x28x3	SA0078	2	DIN 7803 Al	-	-
5	TAHLİYE SOMUNU M22x1.5	SA0077	2	AlMg3/AlMg4.5 Mn 0.7	-	-
4	DOLUM BOĞAZI	PR0028	1	EN AW 5754 (AlMg3) H111	t:2mm.	-
3	DELİKLİ PERDE	PR0030	2	EN AW 5754 (AlMg3) H111	t:2mm.	-
2	KAPAK	PR0031	2	EN AW 5754 (AlMg3) H111	t:2mm.	-
1	GÖVDE	PR0036	1	EN AW 5754 (AlMg3) H22	t:2.5mm.	-
Par.	Parça Adı	Parça No	Adet	Resim No	Malzeme	Açıkl. Agril.

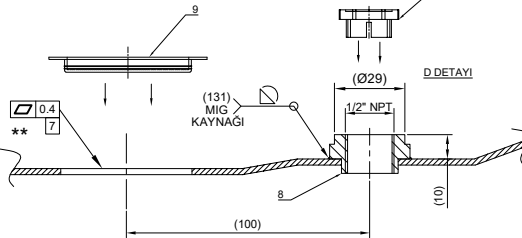
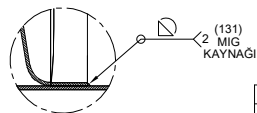
RESİMDEN ÖLÇMEYİNİZ

Malzeme	Belirlenmeyen Toleranslar :DIN 6930m	Açıklamalar
	Dogrusal Boyutlar :± Delik ve konurlar:± Açısal Boyutlar :±	
Çizen	Tarih	İsim
Kontrol	Tarih	Y.KILIÇ
Onay	Tarih	H.YILMAZ
Parça Adı :	B02258 700L YAKIT DEPOSU	Parça No: MA0019 - KA0012
Ağırlık :	Dosya No:	Resim No:



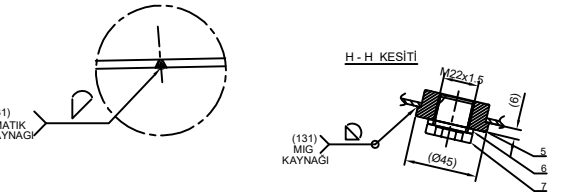
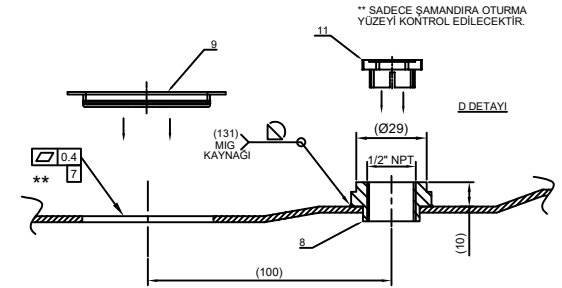
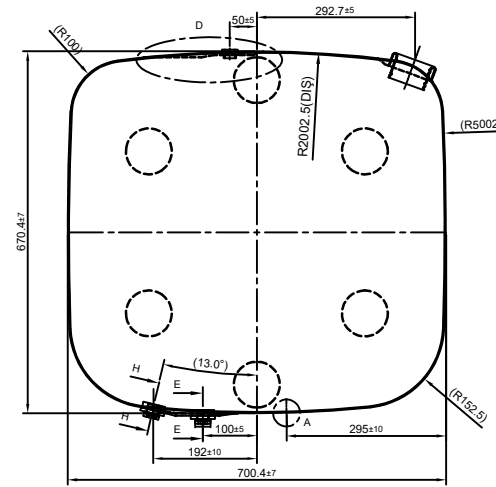
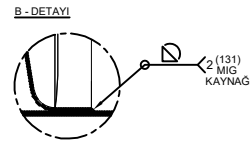
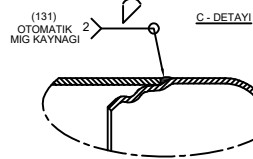
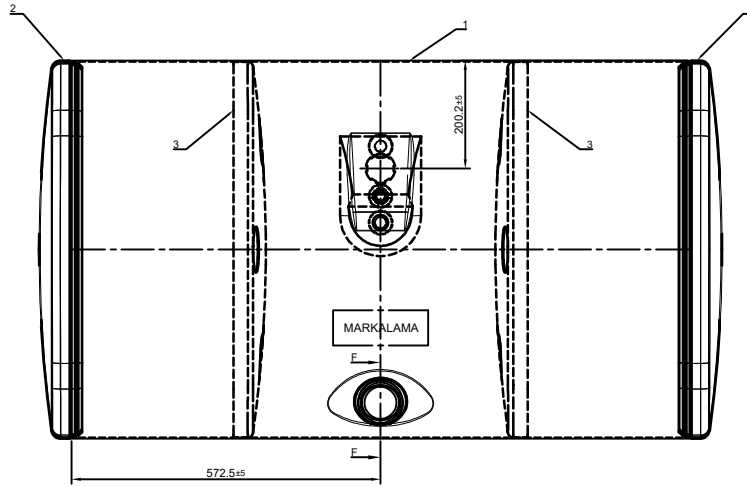
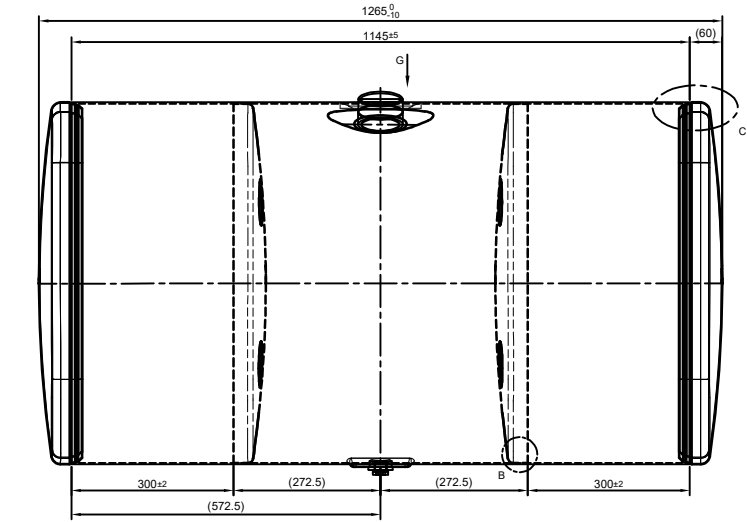
C - DETAYI

B - DETAYI

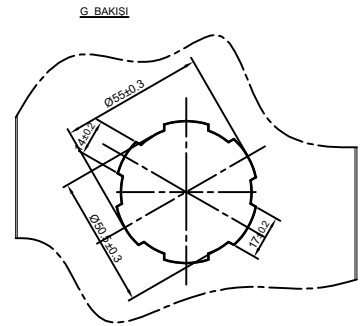
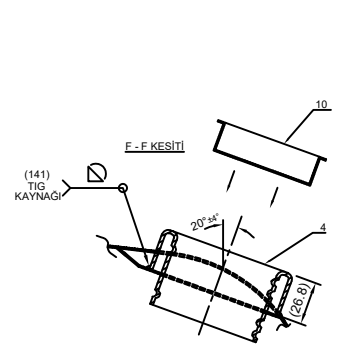


** SADECE ŞAMANDIRA OTURMA YÜZEYİ KONTROL EDİLECEKTİR.

Tarih	Rev.	Değişiklik	Çizen	Kontrol	Onay



MARKALAMA
1871190 / B02253 500L .../...

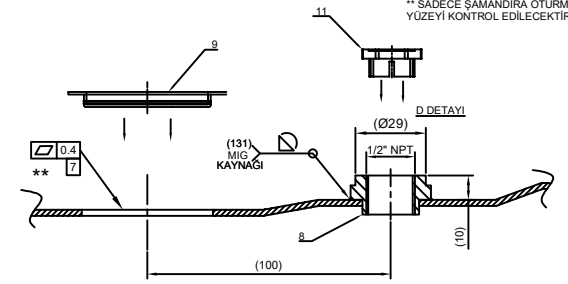
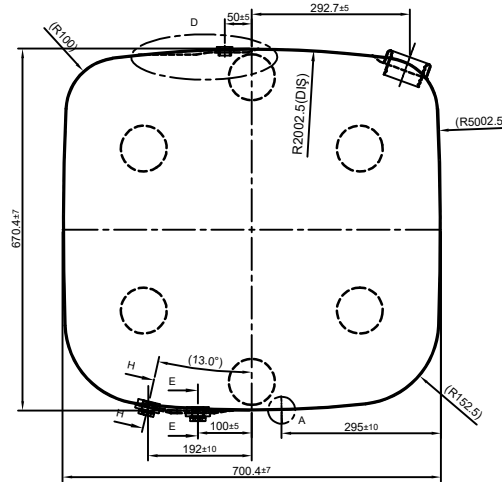
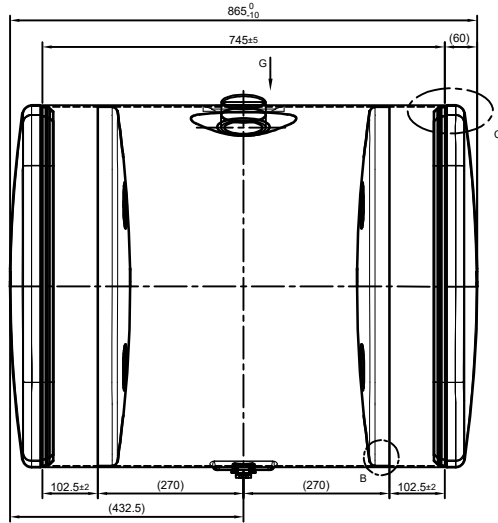


NOT:
* KAYNAKLI PARÇALAR İÇİN GENEL TOLERANS : DIN EN ISO 13920-CH
* KAYNAK GÖSTERİMİ : DIN EN 22553
* KAYNAK KABUL KRİTERLERİ : DIN EN ISO 10042
* KAYNAK VE LEHİM YÖNTEMLERİ İÇİN TANITMA SAYISI : DIN EN ISO 4063
* KAYNAK KONTROLÜ YAPILACAK.
* İÇ TEMİZLİK KONTROLÜ YAPILACAK.
* 0.3 Bar İLE TEST EDİLDİĞİNDE DEFORME VE SIZDIRMA OLMAYACAK.
* (*) PARANTEZ İÇİNDEKİ ÖLÇÜLER YARDIMCI ÖLÇÜLERDİR.
* YÜZEYDE ±7 mm. ÇÖKÜNTÜ VE DEFORMASYONA MÜSAADE EDİLECEKTİR.

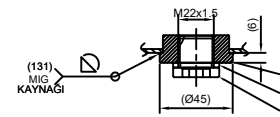
Par	Parça Adı	Parça No	Adet	Resim No	Malzeme	Açıkl.	Agirli.
11	PLASTİK TAPA	SA0083	1		POLİETİLEN	-	-
10	TAKOZ TAPASI	SA0082	1		SERT LASTİK	-	-
9	ŞAMANDIRA TAPASI (Ø50.5)	SA0081	1		POLYETHYLENE (PE-LD)	-	-
8	KADEMELİ MANŞON 1/2" NPT	SA0080	1		AlMg3/AlMg4.5 Mn 0.7	-	-
7	TAHLİYE CİVATASI M22x1.5	SA0079	2		DIN 7804-A- St DBL9440.40	-	-
6	RONDELA (PUL) 22x28x3	SA0078	2		DIN 7803 A1	-	-
5	TAHLİYE SOMUNU M22x1.5	SA0077	2		AlMg3/AlMg4.5 Mn 0.7	-	-
4	DOLUM BOĞAZI	PR0028	1		EN AW 5754 (AlMg3) H111	t:2mm.	-
3	DELİKLİ PERDE	PR0030	2		EN AW 5754 (AlMg3) H111	t:2mm.	-
2	KAPAK	PR0031	2		EN AW 5754 (AlMg3) H111	t:2mm.	-
1	GÖVDE	PR0029	1		EN AW 5754 (AlMg3) H22	t:2.5mm.	-

RESİMDEN ÖLÇMEYİNİZ			
Malzeme	Belirtilmeyen Toleranslar :DIN 6930m	Açıklamalar	
	Dogrusal Boyutlar :±	Yayın Öncesi:N02752	
	Delik ve konurlar:±		
	Açısal Boyutlar :±		
Çizen	Tarih	İsim	İmza
Kontrol	24.03.2014	S.Y.HACIOĞLU	
Onay	24.03.2014	Y.KILIC	
		H.YILMAZ	
Parça Adı :	(B02253) 500L YAKIT DEPOSU		Form
			A2
Agirlik :	Dosya No:	Resim No:	

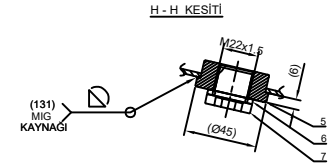
Tarih	Rev.	Değişiklik	Çizen	Kontrol	Onay



E - E KESİTİ

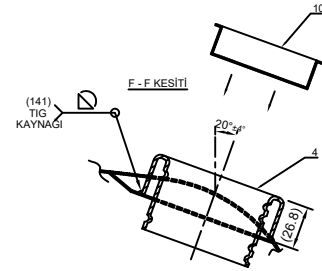
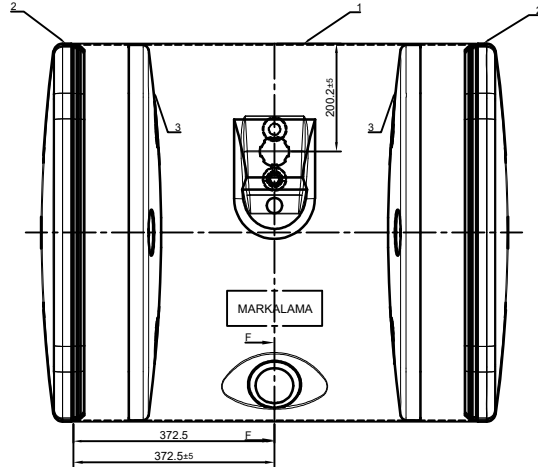


H - H KESİTİ



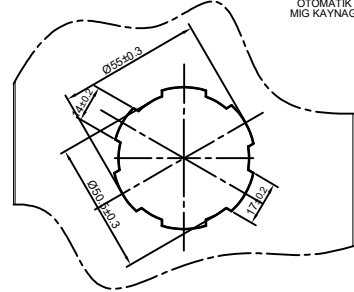
MARKALAMA

1871189 / B02255 350L.J.....



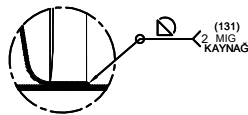
A - DETAYI

G BAKIŞI



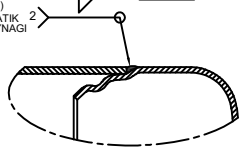
G BAKIŞI

D - DETAYI



(131) OTOMATİK MIG KAYNAĞI

C - DETAYI



NOT:

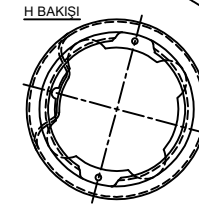
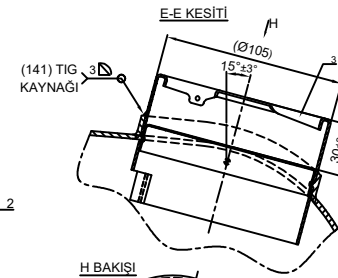
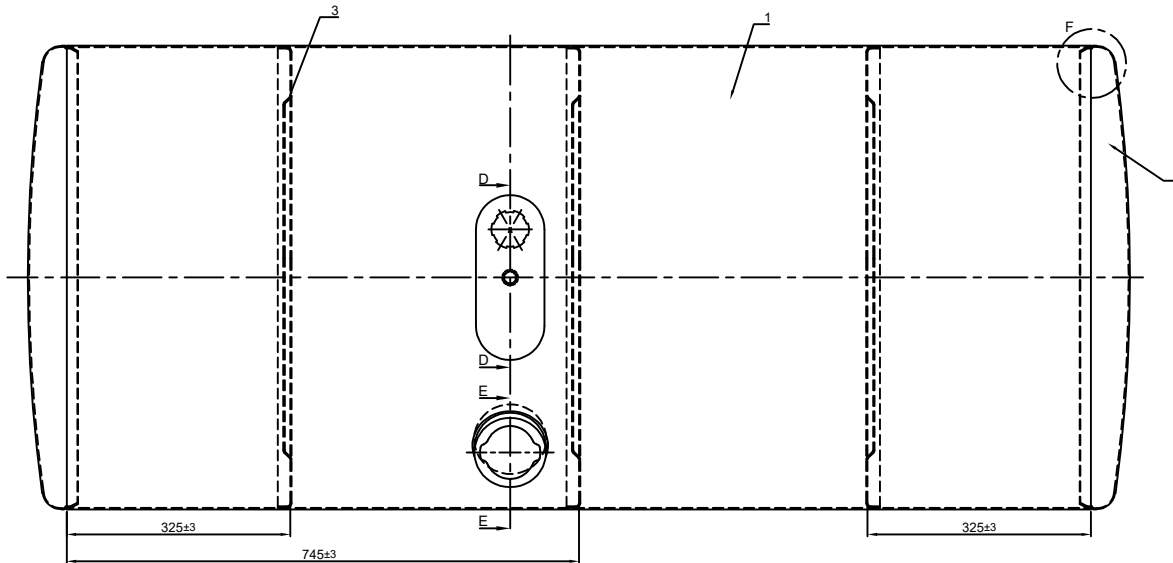
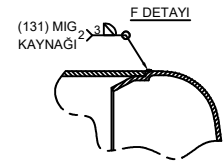
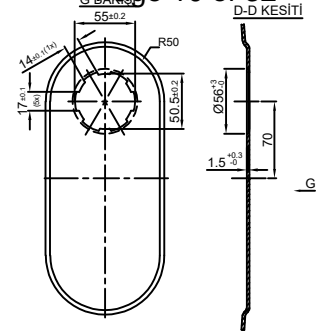
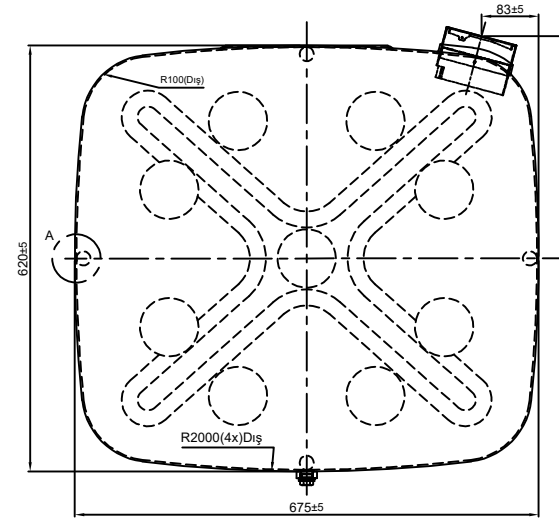
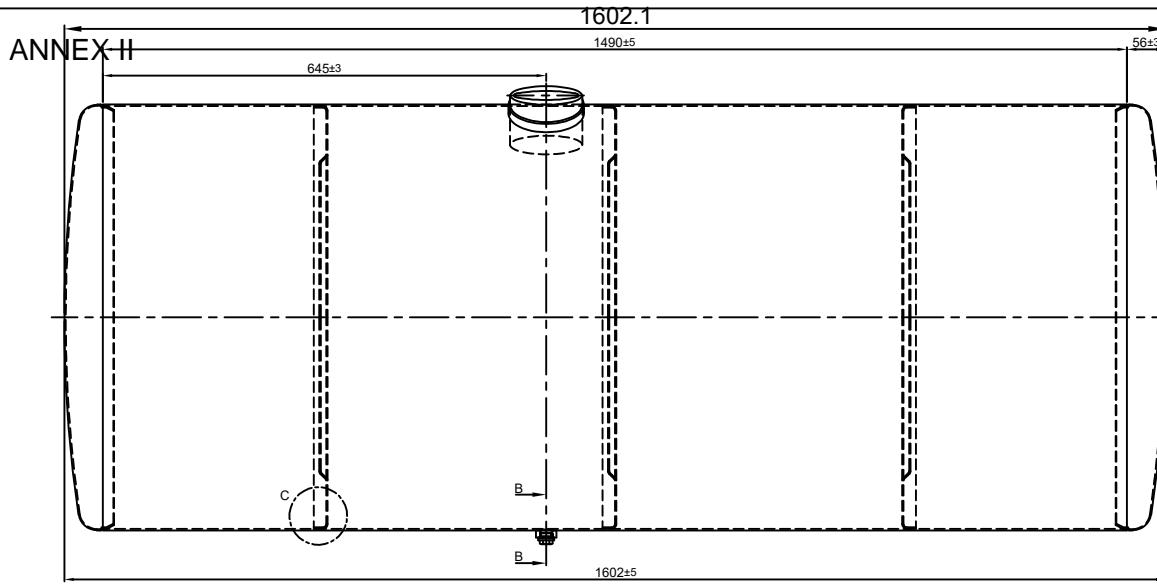
- * KAYNAKLI PARÇALAR İÇİN GENEL TOLERANS : DIN EN ISO 13920-CH
- * KAYNAK GÖSTERİMİ : DIN EN 22553
- * KAYNAK KABUL KRİTERLERİ : DIN EN ISO 10042
- * KAYNAK VE LEHİM YÖNTEMLERİ İÇİN TANITMA SAYISI : DIN EN ISO 4063
- * KAYNAK KONTROLÜ YAPILACAK.
- * İÇ TEMİZLİK KONTROLÜ YAPILACAK.
- * 0.3 Bar İLE TEST EDİLDİĞİNDE DEFORME VE SIZDIRMA OLMAYACAK.
- * () PARANTEZ İÇİNDEKİ ÖLÇÜLER YARDIMCI ÖLÇÜLERDİR.
- * YÜZEYDE ±7 mm. ÇÖKÜNTÜ VE DEFORMASYONA MÜSAADE EDİLECEKTİR.

11	PLASTİK TAPA	SA0083	1	POLİETİLEN		
10	TAKOZ TAPASI	SA0082	1	SERT LASTİK		
9	ŞAMANDIRA TAPASI (Ø50.5)	SA0081	1	POLYETHYLENE (PE-LD)		
8	KEDEMELİ MANŞON 1/2" NPT	SA0080	1	AlMg3/AlMg4.5 Mn 0.7	-	-
7	TAHLİYE CİVATASI M22x1.5	SA0079	2	DIN 7804-A- St DBL9440.40	-	-
6	RONDELA (PUL) 22x28x3	SA0078	2	DIN 7803 Al	-	-
5	TAHLİYE CİVATASI M22x1.5	SA0077	2	AlMg3/AlMg4.5 Mn 0.7	-	-
4	DOLUM BOĞAZI	PR0028	1	EN AW 5754 (AlMg3) H111	t:2mm.	-
3	DELİKLİ PERDE	PR0030	2	EN AW 5754 (AlMg3) H111	t:2mm.	-
2	KAPAK	PR0031	2	EN AW 5754 (AlMg3) H111	t:2mm.	-
1	GÖVDE	PR0035	1	EN AW 5754 (AlMg3) H22	t:2.5mm.	-
Par	Parça Adı	Parça No	Adet	Resim No	Malzeme	Açıkl. Ağrl.

RESİMDEN ÖLÇMEYİNİZ

Malzeme	Belirtilmeyen Toleranslar :DIN 6930m	Açıklamalar
	Dogrusal Boyutlar :± Delik ve konurlar:± Açısal Boyutlar :±	
Çizen	Tarih	İsim
Kontrol	12.10.2022	S.Y.HACIOĞLU
Onay	12.10.2022	Y.KILIC
		H.YILMAZ
Parça Adı :	B02255 350L YAKIT DEPOSU	Parça No: MA0027 - KA0011
		Form A2
Ağrlık :	Dosya No:	Resim No:

Tarih	Rev.	Değişiklik	Çizen	Kontrol	Onay



NOT:

- * KAYNAKLI PARÇALAR İÇİN GENEL TOLERANS : DIN EN ISO 13920-CH
- * KAYNAK GÖSTERİMİ : DIN EN 22553
- * KAYNAK KABUL KRİTERLERİ : DIN EN ISO 10042
- * KAYNAK VE LEHİM YÖNTEMLERİ İÇİN TANITMA SAYISI : DIN EN ISO 4063
- * KAYNAK KONTROLÜ YAPILACAK.
- * İÇ TEMİZLİK KONTROLÜ YAPILACAK.
- * 0.3 Bar İLE TEST EDİLDİĞİNDE DEFORME VE SIZDIRMA OLMAYACAK.

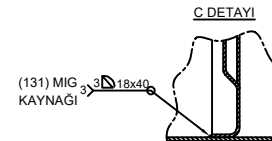
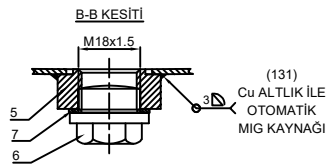
7	SIZDIRMAZLIK PULU (18x22)	SA0069	1		DIN 7603 Al
6	TAHLİYE CİVATASI (M18x1.5)	SA0006	1		Ç 1050
5	TAHLİYE SOMUNU (M18x1.5)	SA0071	1		EN AW 5754 (AlMg3)
4	DOLUM BOĞAZI	PR0010	1		-
3	PERDE	PR0025	3		EN AW 5754 (AlMg3) H11 t=2mm
2	KAPAK	PR0026	2		EN AW 5754 (AlMg3) H11 t=2mm
1	GÖVDE	PR0027	1		EN AW 5754 (AlMg3) H22 t=2.5mm
Poz	Parça No	Adet	Resim No	Malzeme	Açıkl.

RESİMDEN ÖLÇMEYİNİZ

Malzeme		Belirtilmeyen Toleranslar : DIN 6930m		Açıklamalar	
		Dogrusal Boyutlar : ±			
		Delik ve Konumlar : ±			
		Açısal Boyutlar : ±			
Çizen	Tarih	İsim	İmza	Ölçek 1/1	
Kontrol	11.10.2022	S.Y.HACIOGLU			
Onay	11.10.2022	H.YILMAZ			
Parça Adı :				Parça No:	Adet

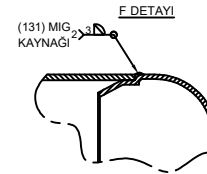
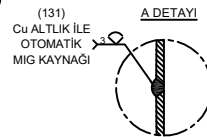
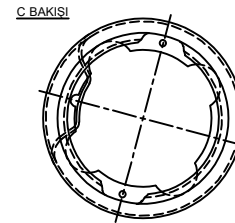
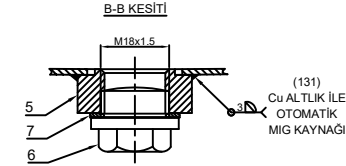
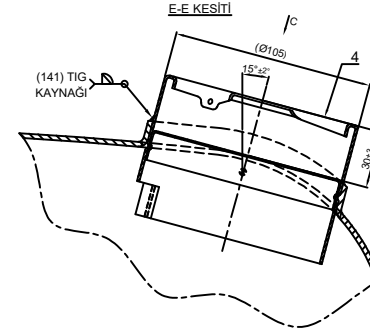
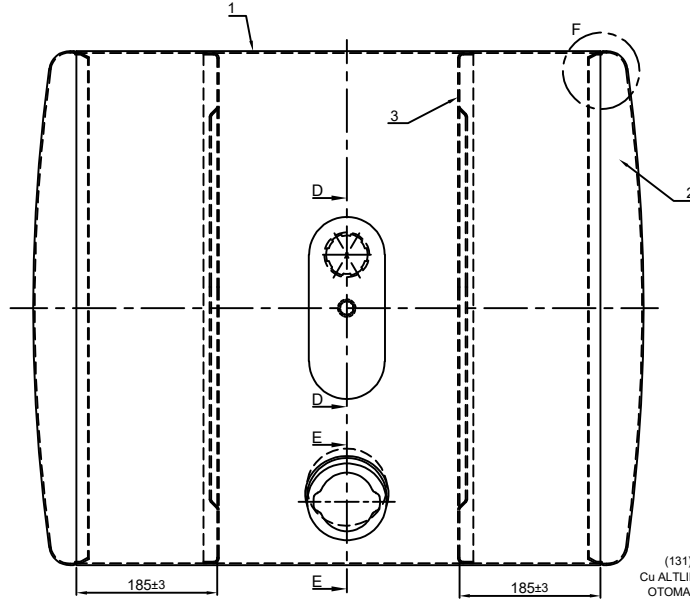
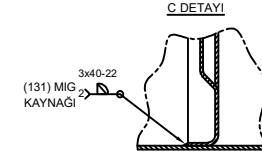
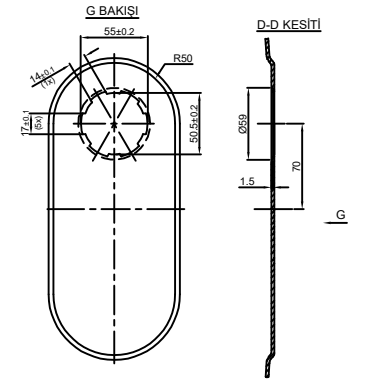
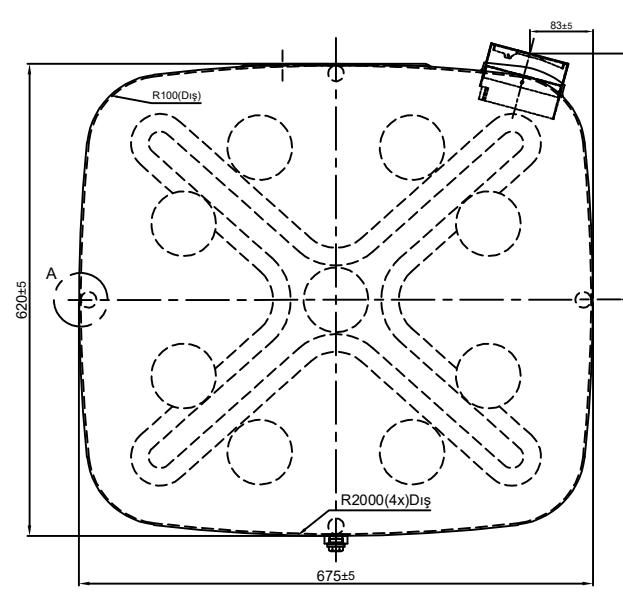
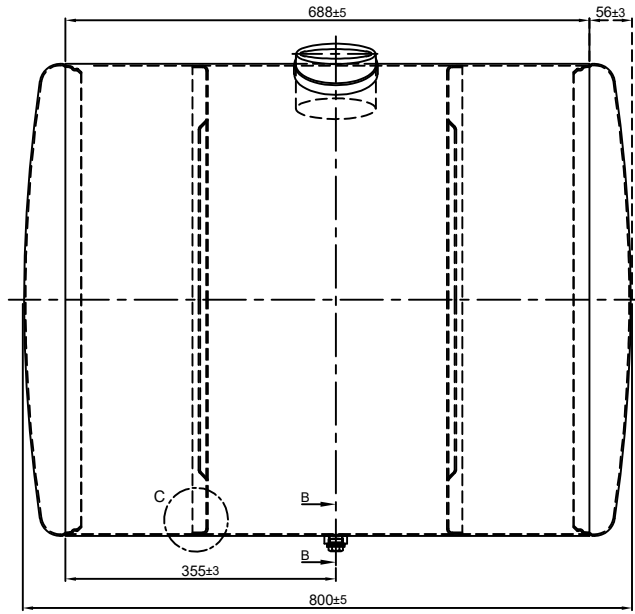
(B01773) 600L YAKIT DEPOSU

MA0040 -KA0008



Tarih	Rev.	Değişiklik	Çizen	Kontrol	Onay

Agirlik :	Dosya No :	Resim No :



NOT:

- * KAYNAKLI PARÇALAR İÇİN GENEL TOLERANSLAR : DIN EN ISO 13920-CH
- * KAYNAK GÖSTERİMİ : DIN EN 22553
- * KAYNAK KABUL KRİTERLERİ : DIN EN ISO 10042
- * KAYNAK VE LEHİM YÖNTEMLERİ İÇİN TANITMA SAYISI : DIN EN ISO 4063
- * İÇ TEMİZLİK KONTROLÜ YAPILACAK.
- * 0.3 Bar İLE TEST EDİLDİĞİNDE DEFORME VE SIZDIRMA OLMAYACAK.
- * GENERAL TOLERANCES FOR WELDED CONSTRUCTIONS : DIN EN ISO 13920-CH
- * WELDING SYMBOLS : TS EN 22553
- * WELDING ACCEPTANCE CRITERIA : DIN EN ISO 10042
- * DEFINING NUMBER FOR WELDING AND SOLDERING METHODS : DIN EN ISO 4063

Poz	Parça Adı	Parça No	Adet	Resim No	Malzeme	Açıkl.	Agırl.
7	SIZDIRMAZLIK PULU (18x22)	SA0069	1		DIN 7603 Al		
6	TAHLİYE CIVATASI (M18x1.5)	SA0006	1		Ç 1050		
5	TAHLİYE SOMUNU (M18x1.5)	SA0071	1		EN AW 5754 (AlMg3)		
4	DOLUM BOĞAZI	PR0010	1		-		
3	PERDE	PR0025	2		EN AW 5754 (AlMg3)H111	t=2mm	
2	KAPAK	PR0026	2		EN AW 5754 (AlMg3)H111	t=2mm	
1	GÖVDE	PR0024	1		EN AW 5754 (AlMg3)H22	t=2.5mm	

RESİMDEN ÖLÇMEYİNİZ

Malzeme	Belirtilmeyen Toleranslar : DIN 6930m	Açıklamalar
	Düğürsal Boyutlar : ± Delik ve Konumlar : ± Açısal Boyutlar : ±	

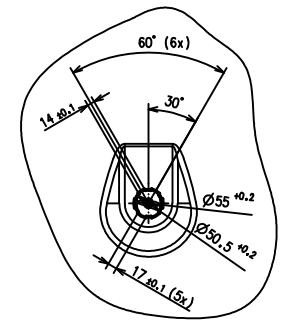
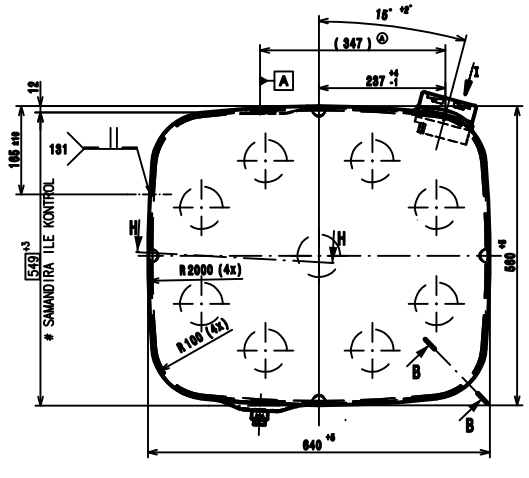
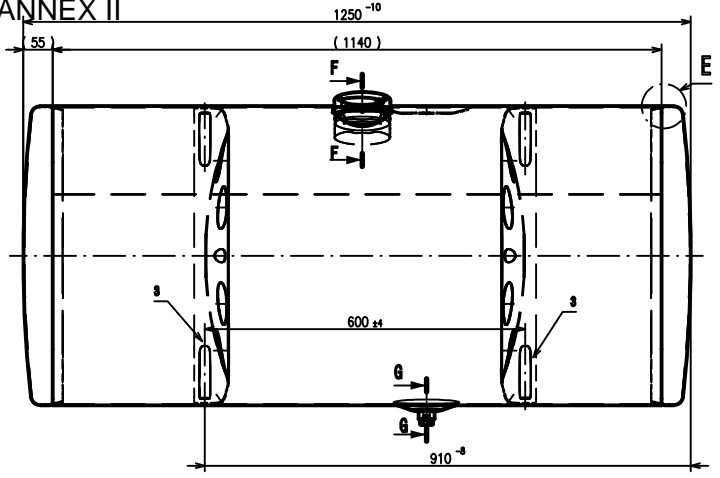
Cizen	Tarih	İsim	İmza	Ölçek 1/1	HARE GROUP	HRI
Çizen	11.10.2022	S.Y.HACIOĞLU				
Kontrol	11.10.2022	Y.KILIC				
Onay	11.10.2022	H.YILMAZ				

Parça Adı :	Parça No	Adet
(B01770) 300L YAKIT DEPOSU	MA0043 - KA0007	

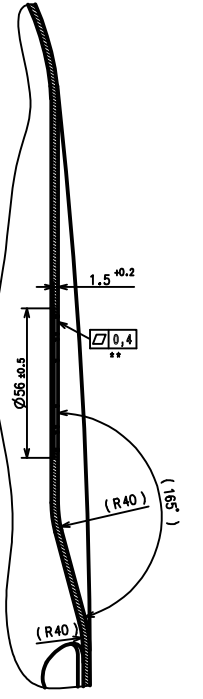
Tarih	Rev.	Değişiklik	Çizen	Kontrol	Onay

Agırlık :	Dosya No :	Resim No :

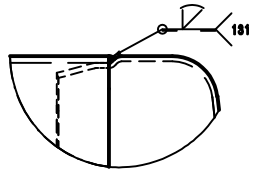
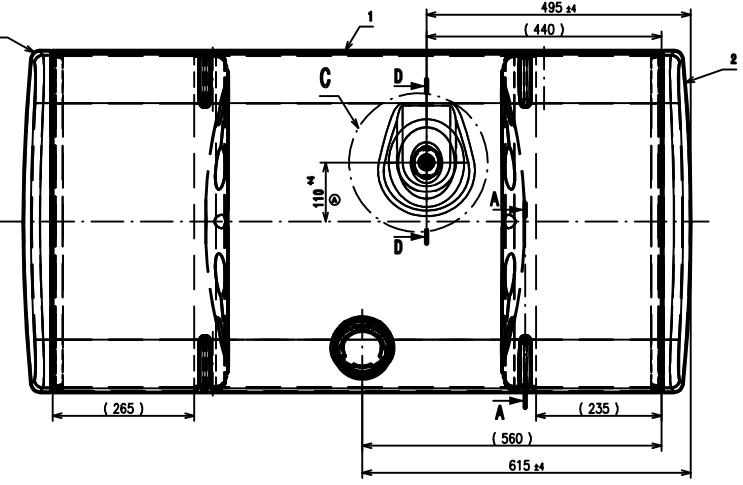
ANNEX II



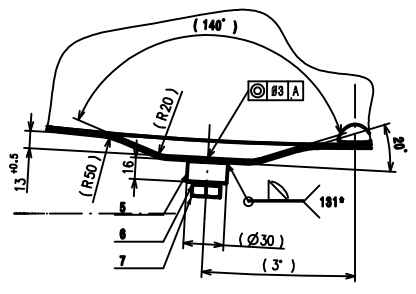
C - DETAYI 1:5
C - DETAIL 1:5



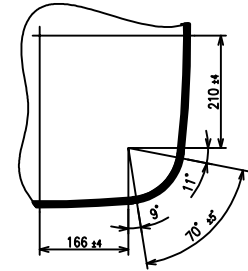
D-D KESİTİ 1:1
D-D SECTION 1:1



E - DETAYI 1:1
E - DETAIL 1:1

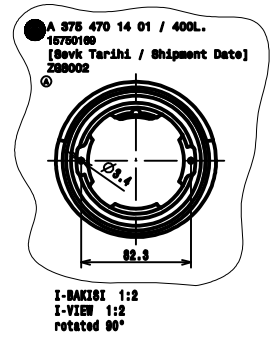


G-G KESİTİ 1:2
G-G SECTION 1:2

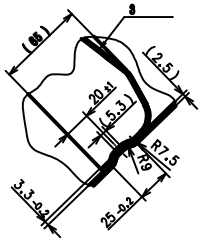


A-A KESİTİ 1:5
A-A SECTION 1:5

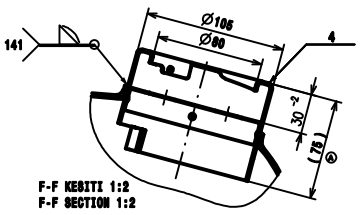
NOT:
Bütün ölçülerin ± 0.2 mm'lik toleransla yapılması şarttır. Ölçülerin ölçülmesi için ölçme aletleri kullanılmadan önce ölçme aletleri kalibrasyon kontrolünden geçirilmelidir. Ölçme aletleri kalibrasyon kontrolünden geçirilmediği takdirde ölçülen ölçülerin doğruluğu garanti edilemez.
Bütün ölçülerin ± 0.2 mm'lik toleransla yapılması şarttır. Ölçülerin ölçülmesi için ölçme aletleri kullanılmadan önce ölçme aletleri kalibrasyon kontrolünden geçirilmelidir. Ölçme aletleri kalibrasyon kontrolünden geçirilmediği takdirde ölçülen ölçülerin doğruluğu garanti edilemez.



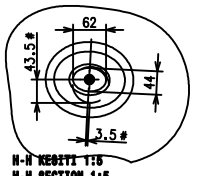
I-BAKIŞI 1:2
I-VIEW 1:2
rotated 90°



B-B KESİTİ 1:2
B-B SECTION 1:2



F-F KESİTİ 1:2
F-F SECTION 1:2



H-H KESİTİ 1:5
H-H SECTION 1:5

Açıklama: Sanandıra filtre izdüşümü taban Çöktürmesinde : Ø40mm±10mm
Remark: Projection of Float Filter is on the base drawn : Ø40mm±10mm

No	Adı / Description	Malzeme / Material	Miktar / Qty	Notlar / Remarks
8	Ø105 KAĞIT TAPA	SA0003	1	Selflag PVC
7	TAYLIYE ÇUVATASI M14X1.5	SA0019	1	Ø23 TUNA OR. 0401-02
6	RONDELA PUL 14X20	SA0018	1	Ø23 TUNA AS
5	TAYLIYE SOMUNU M14X1.5	SA0020	1	Ø23 TUNA -T2
4	DOLUMLI BOĞAZI	PR0010	1	Ø23 AY AYRA (A2309) B111
3	PERDE	PR0014	2	Ø23 AY AYRA (A2309) B111
2	KAPAK	PR0015	2	Ø23 AY AYRA (A2309) B111
1	GOVDE	PR0016	1	Ø23 AY AYRA (A2309) B111

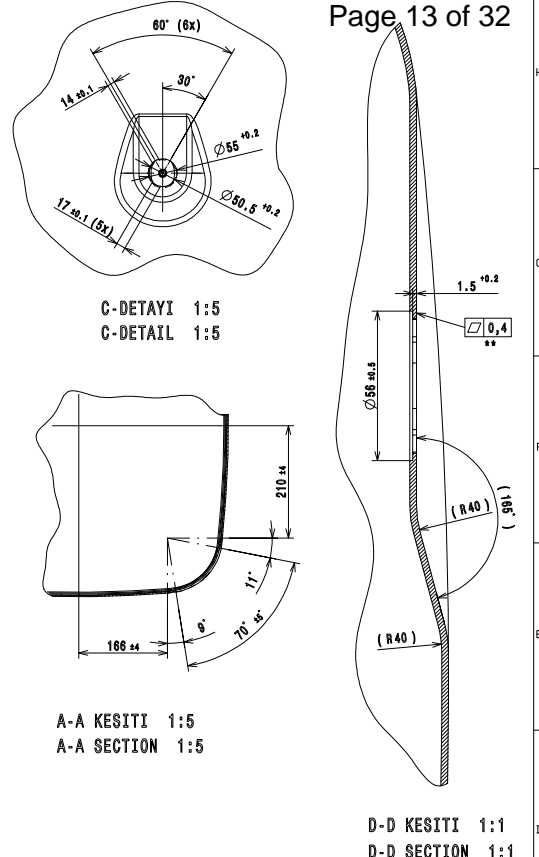
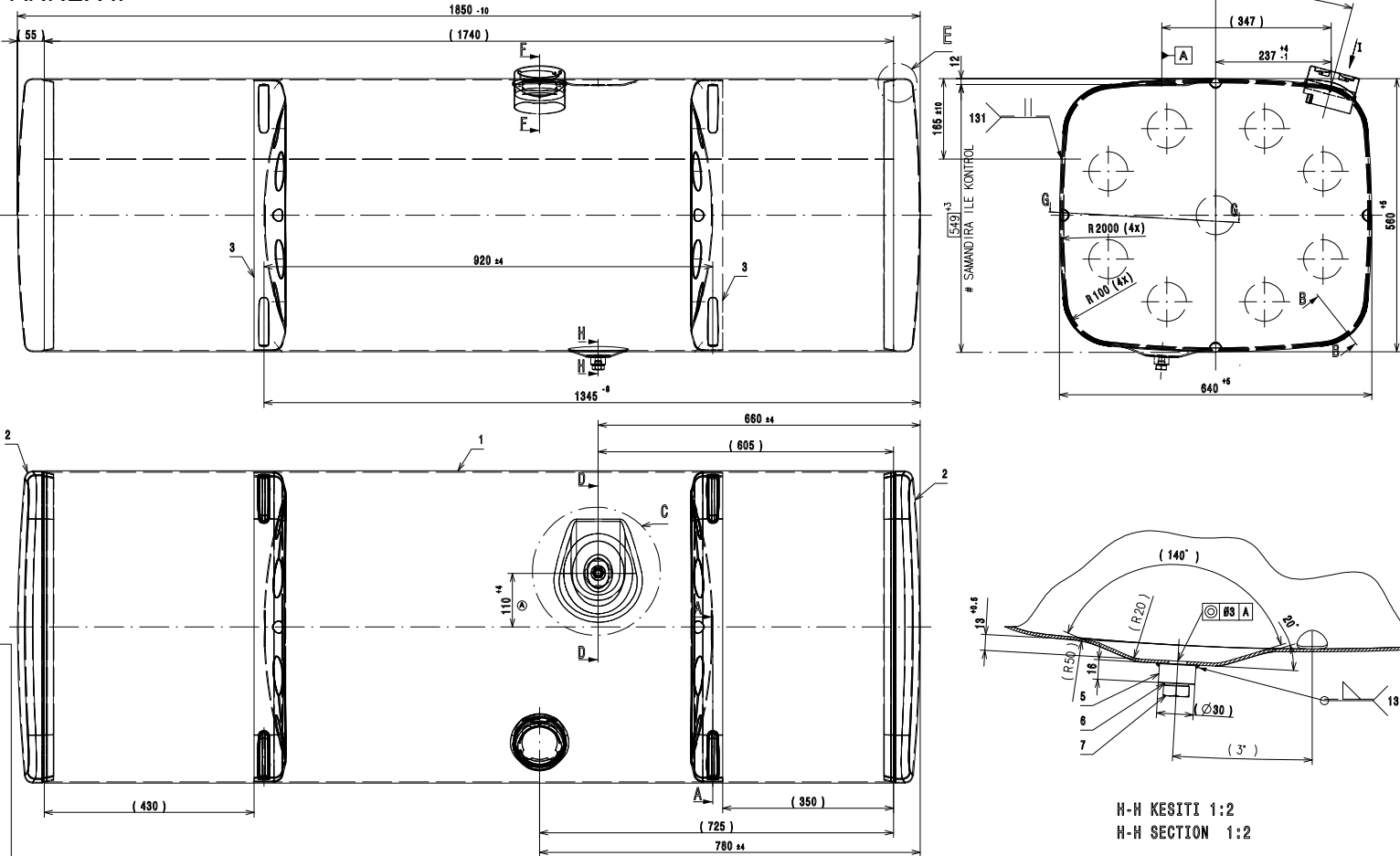
RESİMDEN ÖLÇMEYİNİZ / DO NOT SCALE FROM DRAWING

Material: ...
Scale: ...
Date: ...
Drawing No: ...
Part Name: ...

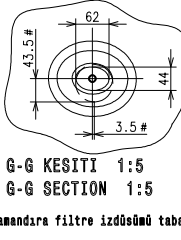
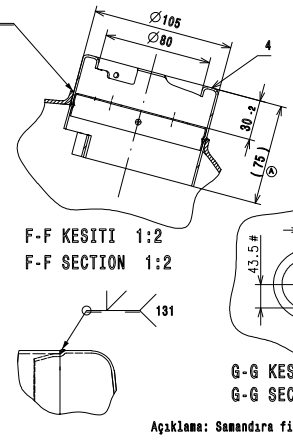
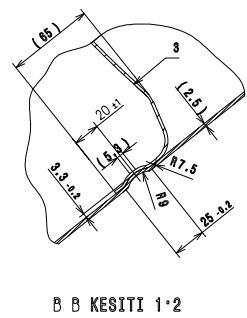
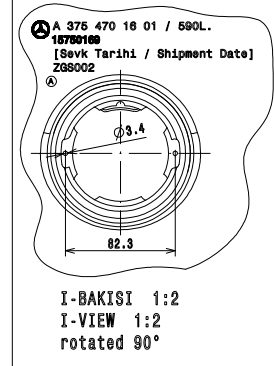
HARE GROUP

Part Name: (B01668) 400L YAKIT DEPOSU
Part Number: MA0046 - K0004
Revizyon: A1

ANNEX II

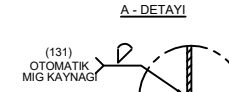
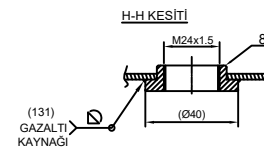
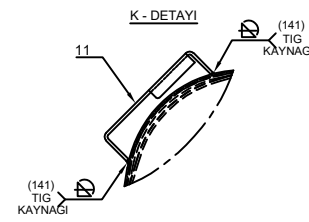
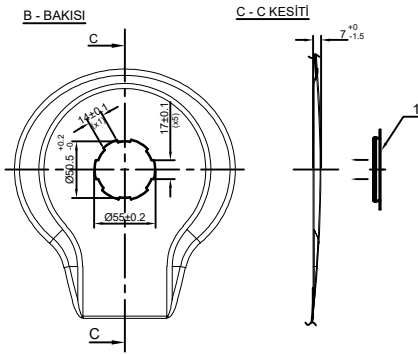
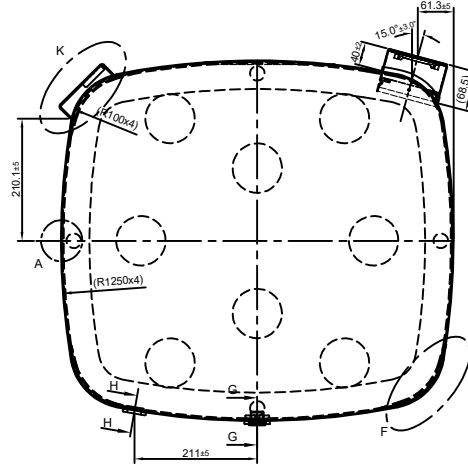
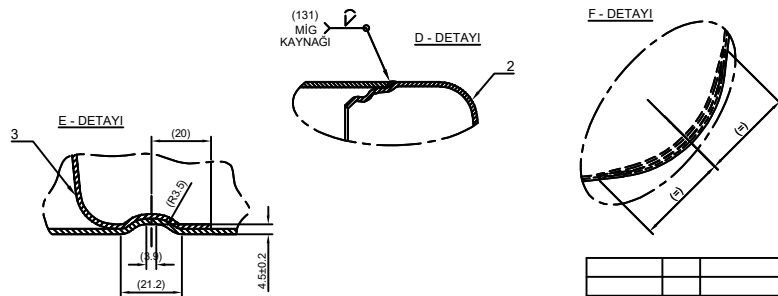
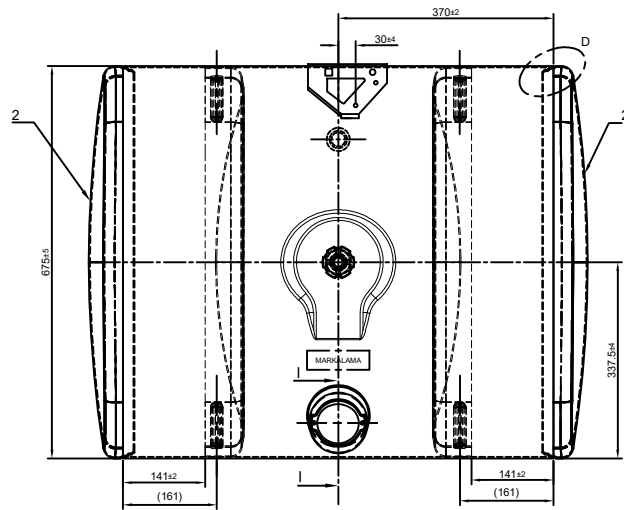
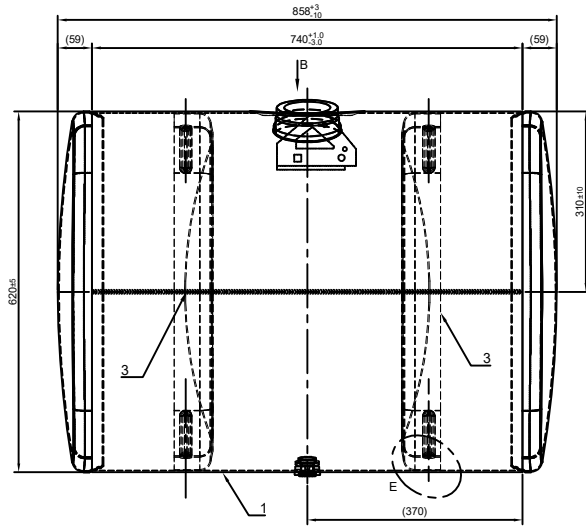


ÖLÇÜLERİN ÖLÇÜLEME VE KONTROL EDİLMESİ (MEASUREMENT AND CONTROL)
 ÖLÇÜLERİN ÖLÇÜLEME VE KONTROL EDİLMESİ (MEASUREMENT AND CONTROL)
 ÖLÇÜLERİN ÖLÇÜLEME VE KONTROL EDİLMESİ (MEASUREMENT AND CONTROL)
 ÖLÇÜLERİN ÖLÇÜLEME VE KONTROL EDİLMESİ (MEASUREMENT AND CONTROL)

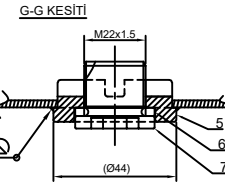


Açıklama: Samandıra filtre izdüşümü taban

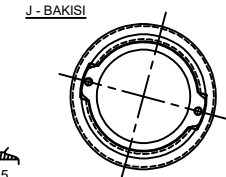
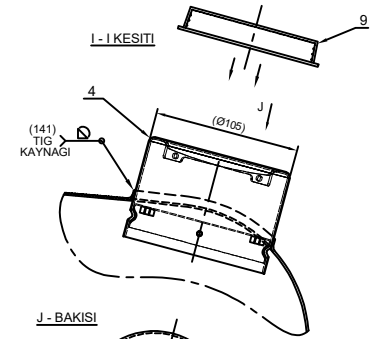
Pos.	Parça Adı / Part Name	ÖLÇÜ NO / DIMENSION NO	Parça No / Part No	Malzeme / Material	Malzeme / Material	Antilamaç / Explanation
8	Ø105 KAĞIT TAPA		SA0003	1	Selfset PVC	
7	TANLIYE ÇIYATISI M14X1.5		SA0019	1	DN 7804 BT DİL 8401.25	
6	RONDELA PUL 14X20		SA0018	1	DN 7809 A1	
5	TANLIYE SOMUNU M14X1.5		SA0020	1	EN JNF-8008 - T8	
4	DÖLÜM BOGAZI		PR0010	1	EN AN 8754 (A304p) M111	
3	PERDE		PR0014	2	EN AN 8754 (A304p) M111	1:1 mm
2	KAPAK		PR0015	2	EN AN 8754 (A304p) M111	1:1 mm
1	GOVDE		PR0015	1	EN AN 8754 (A304p) M22	1:1 mm



(131)
OTOMATİK
MIG KAYNAĞI



(131)
GAZALTI
KAYNAĞI



MARKALAMA

B02447 300L .../.../...

NOT:

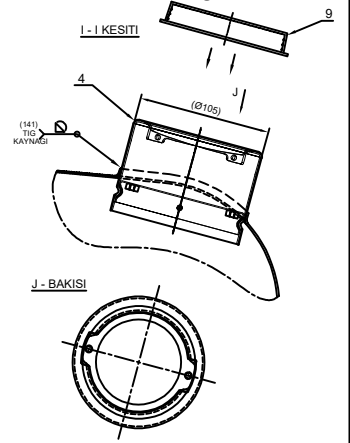
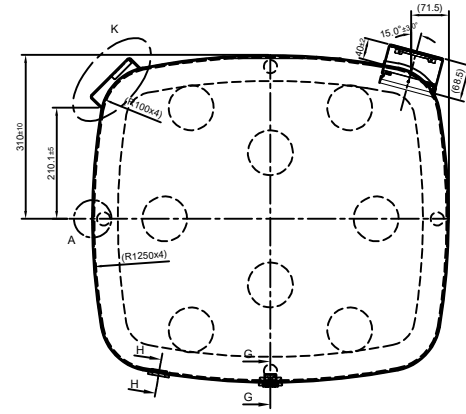
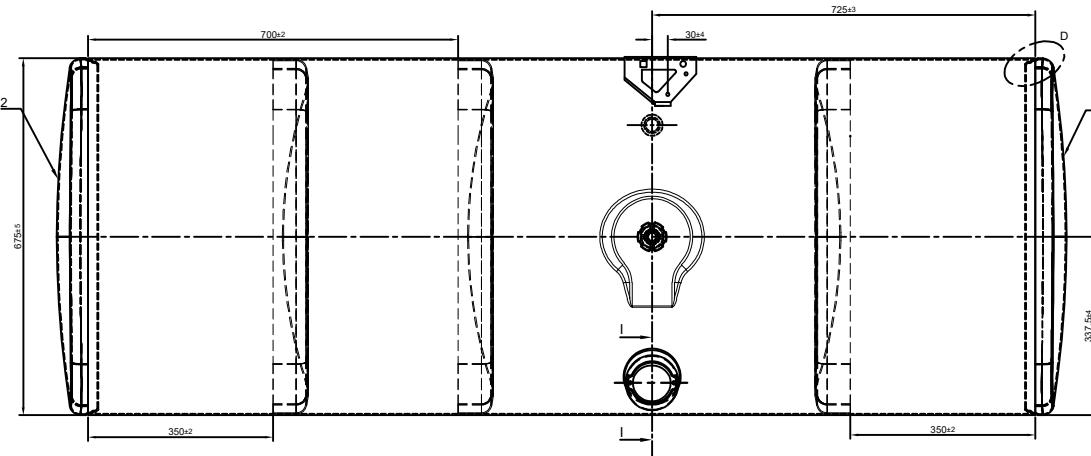
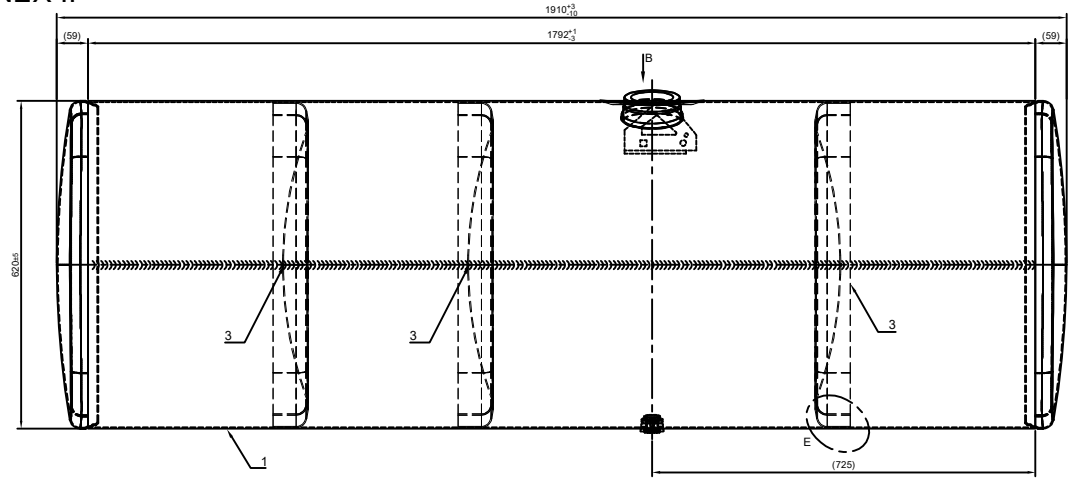
- * KAYNAKLI PARÇALAR İÇİN GENEL TOLERANS : DIN EN ISO 13920-CH
- * KAYNAK GÖSTERİMİ : DIN EN 22553
- * KAYNAK KABUL KRİTERLERİ : DIN EN ISO 10042
- * KAYNAK VE LEHİM YÖNTEMLERİ İÇİN TANITMA SAYISI : DIN EN ISO 4063
- * KAYNAK KONTROLÜ YAPILACAK.
- * İÇ TEMİZLİK KONTROLÜ YAPILACAK.
- * 0.3 Bar İLE TEST EDİLDİĞİNDE DEFORME VE SIZDIRMA OLMAYACAK.
- * () PARANTEZ İÇİNDEKİ ÖLÇÜLER YARDIMCI ÖLÇÜLERDİR.
- * YÜZEYDE ±7 mm. ÇÖKÜNTÜ ve DEFORMASYONA MÜSAADE EDİLECEKTİR.

Par	Parça Adı	Parça No	Adet	Resim No	Malzeme	Açıkl.	Agirli.
11	KOŞE BRAKETİ	SA0160	1		EN AW 5754 (AlMg3) t:2.5mm.	-	-
10	ŞAMANDIRA TAPASI (Ø50.5)	SA0081	1		-	-	-
9	Ø105 BOĞAZ TAPASI	SA0097	1		POLYETHYLENE (PE-LD)	-	-
8	TAHLİYE SOMUNU M24x1.5	SA0098	1		AlMg3/AlMg4.5 Mn 0.7	-	-
7	TAHLİYE CIVATASI M22x1.5	SA0079	1		DIN 7804-A- St.D19440.40	-	-
6	RONDELA (PUL) 22x28x3	SA0078	1		DIN 7803 Al	-	-
5	TAHLİYE SOMUNU M22x1.5	SA0094	1		AlMg3/AlMg4.5 Mn 0.7	-	-
4	DOLUM BOĞAZI	PR0010	1		EN AW 5754 (AlMg3) H111 t:1.5mm	-	-
3	PERDE	PR0038	2		EN AW 5754 (AlMg3) t:2mm.	-	-
2	KAPAK	PR0039	2		EN AW 5754 (AlMg3) t:2mm.	-	-
1	GÖVDE	PR0037	1		EN AW 5754 (AlMg3) t:2.5mm.	-	-

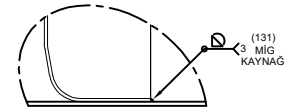
RESİMDEN ÖLÇMEYİNİZ

Malzeme	Belirtilmeyen Toleranslar :DIN 6930m	Açıklamalar
	Dogrusal Boyutlar :± Delik ve konumlar:± Açısal Boyutlar :±	
Çizen	Tarih	İsim
Kontrol	Tarih	Y.KILIC
Onay	Tarih	H.YILMAZ
Parça Adı :	(B02447) 300L YAKIT DEPOSU	Parça No: MA0049 - KA0013
Agirlik :	Dosya No:	Resim No:

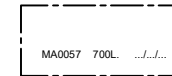
Tarih	Rev.	Değişiklik	Çizen	Kontrol	Onay



E - DETAYI



MARKALAMA



NOT:

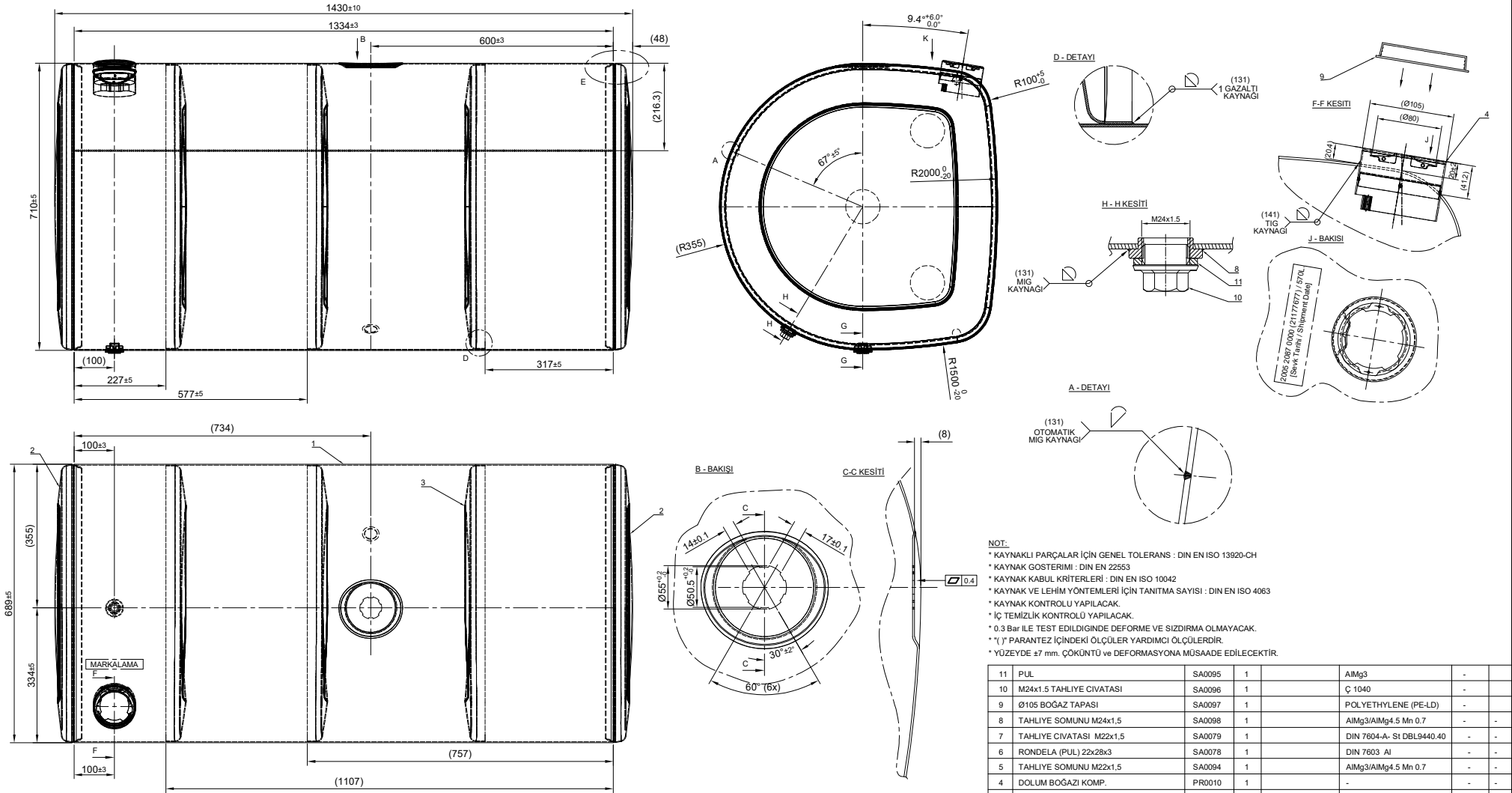
- * KAYNAKLI PARÇALAR İÇİN GENEL TOLERANS : DIN EN ISO 13920-CH
- * KAYNAK GÖSTERİMİ : DIN EN 22553
- * KAYNAK KABUL KRİTERLERİ : DIN EN ISO 10042
- * KAYNAK VE LEHİM YÖNTEMLERİ İÇİN TANITMA SAYISI : DIN EN ISO 4063
- * KAYNAK KONTROLÜ YAPILACAK.
- * İÇ TEMİZLİK KONTROLÜ YAPILACAK.
- * 0.3 Bar İLE TEST EDİLDİĞİNDE DEFORME VE SIZDIRMA OLMAYACAK.
- * () PARANTEZ İÇİNDEKİ ÖLÇÜLER YARDIMCI ÖLÇÜLERDİR.
- * YÜZEYDE ±7 mm. ÇÖKÜNTÜ VE DEFORMASYONA MÜSAADE EDİLECEKTİR.

11	KOŞE BRAKETİ	SA0160	1	EN AW 5754 (AlMg3) t:2.5mm	-	-
10	ŞAMANDIRA TAPASI (Ø50.5)	SA0081	1	-	-	-
9	Ø105 BOĞAZ TAPASI	SA0097	1	POLYETHYLENE (PE-LD)	-	-
8	TAHLİYE SOMUNU M24x1.5	SA0098	1	AlMg3/AlMg4.5 Mn 0.7	-	-
7	TAHLİYE CIVATASI M22x1.5	SA0079	1	DIN 7804-A- St DBL9440.40	-	-
6	RONDELA (PUL) 22x28x3	SA0078	1	DIN 7803 Al	-	-
5	TAHLİYE SOMUNU M22x1.5	SA0094	1	AlMg3/AlMg4.5 Mn 0.7	-	-
4	DOLUM BOĞAZI	PR0010	1	EN AW 5754 (AlMg3) H111 t:1.5mm	-	-
3	PERDE	PR0038	3	EN AW 5754 (AlMg3) t:2mm.	-	-
2	KAPAK	PR0039	2	EN AW 5754 (AlMg3) t:2mm.	-	-
1	GÖVDE	PR0040	1	EN AW 5754 (AlMg3) t:2.5mm.	-	-
Par	Parça Adı	Parça No	Adet	Resim No	Malzeme	Açıkl. Ağrl.

RESİMDEN ÖLÇMEYİNİZ

Malzeme	Belirtilmeyen Toleranslar :DIN 6930m	Açıklamalar
	Dogrusal Boyutlar :± Delik ve konurlar:± Açısal Boyutlar :±	
Çizen	Tarih	İsim
Kontrol	14.10.2022	S.Y.HACIOĞLU
Onay	14.10.2022	Y.KILIC
		H.YILMAZ
Parça Adı :	(B02450) 700L YAKIT DEPOSU	Parça No: MA0057 - KA0014
Ağrlık :	Dosya No:	Resim No:
		Form A2

Tarih	Rev.	Değişiklik	Çizen	Kontrol	Onay



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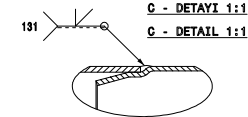
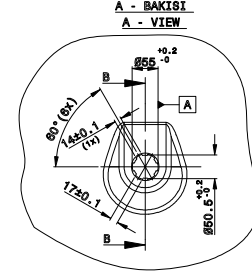
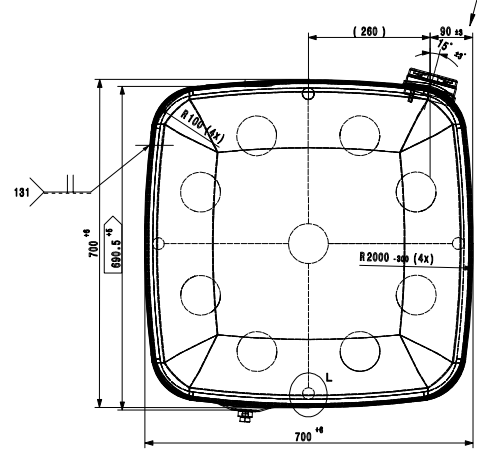
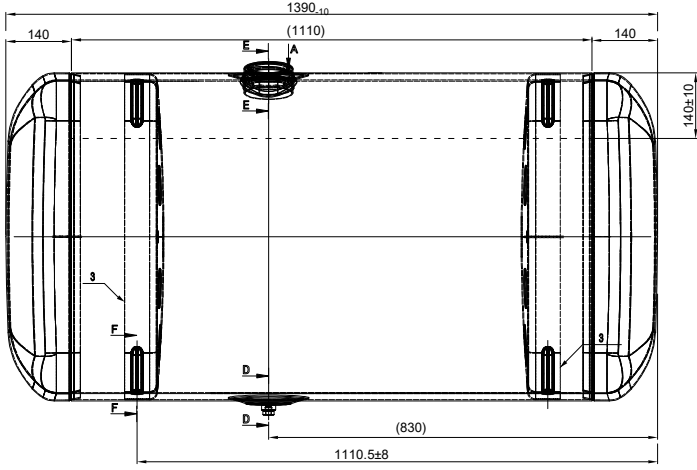
- * KAYNAKLI PARÇALAR İÇİN GENEL TOLERANS : DIN EN ISO 13920-CH
- * KAYNAK GÖSTERİMİ : DIN EN 22553
- * KAYNAK KABUL KRİTERLERİ : DIN EN ISO 10042
- * KAYNAK VE LEHİM YÖNTEMLERİ İÇİN TANITMA SAYISI : DIN EN ISO 4063
- * KAYNAK KONTROLÜ YAPILACAK.
- * İÇ TEMİZLİK KONTROLÜ YAPILACAK.
- * 0.3 Bar İLE TEST EDİLDİĞİNDE DEFORME VE SIZDIRMA OLMAYACAK.
- * *) PARANTEZ İÇİNDEKİ ÖLÇÜLER YARDIMCI ÖLÇÜLERDİR.
- * *YÜZEYDE ±7 mm. ÇÖKÜNTÜ VE DEFORMASYONA MÜSAADE EDİLECEKTİR.

11	PUL	SA0095	1		AlMg3	-	-
10	M24x1.5 TAHLİYE CIVATASI	SA0096	1		Ç 1040	-	-
9	Ø105 BOĞAZ TAPASI	SA0097	1		POLYETHYLENE (PE-LD)	-	-
8	TAHLİYE SOMUNU M24x1.5	SA0098	1		AlMg3/AlMg4.5 Mn 0.7	-	-
7	TAHLİYE CIVATASI M22x1.5	SA0079	1		DIN 7804-A- St Dbl9440.40	-	-
6	RONDELA (PUL) 22x28x3	SA0078	1		DIN 7803 Al	-	-
5	TAHLİYE SOMUNU M22x1.5	SA0094	1		AlMg3/AlMg4.5 Mn 0.7	-	-
4	DOLUM BOĞAZI KOMP.	PR0010	1		-	-	-
3	DELİKLİ PERDE	PR0033	3		EN AW 5754 (AlMg3) H111	t:2mm.	-
2	KAPAK	PR0034	2		EN AW 5754 (AlMg3) H111	t:2mm.	-
1	GÖVDE	PR0032	1		EN AW 5754 (AlMg3) H22	t:2.5mm.	-
Par.	Parça Adı	Parça No	Adet	Resim No	Malzeme	Açkl.	Agırl.

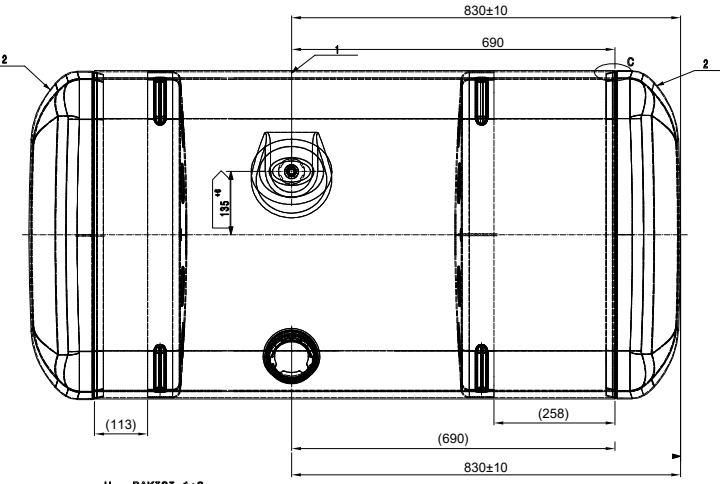
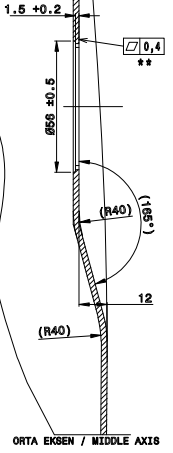
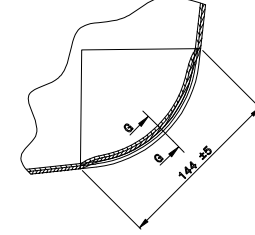
RESİMDEN ÖLÇMEYİNİZ

Malzeme	Belirlenmeyen Toleranslar :DIN 6930m	Açıklamalar
	Dogrusal Boyutlar :± Delik ve konurlar:± Açısal Boyutlar :±	
Çizen	Tarih	İsim
Kontrol	12.10.2022	S.Y.HACIOĞLU
Onay	12.10.2022	Y.KILIC
	12.10.2022	H.YILMAZ
Parça Adı :	(B02219) 570L YAKIT DEPOSU	Parça No: MA0062 - KA0010
Form	A2	
Agırlık :	Dosya No:	Resim No:

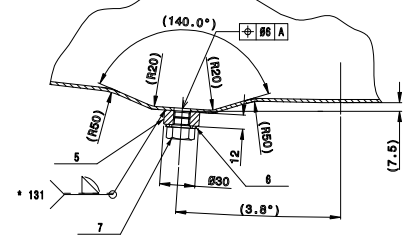
Tarih	Rev.	Değişiklik	Çizen	Kontrol	Onay



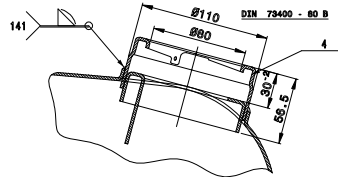
F-F KESİTİ 1:2
F-F SECTION 1:2



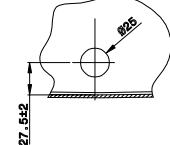
D-D KESİTİ 1:2
D-D SECTION 1:2



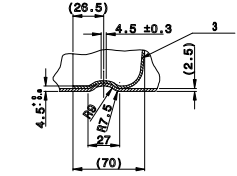
E-E KESİTİ 1:2
E-E SECTION 1:2



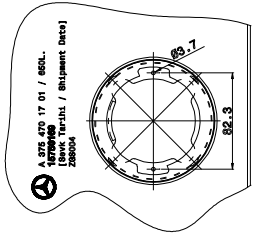
L - DETAYI 1:2
L - DETAIL 1:2



G-G KESİTİ 1:2
G-G SECTION 1:2
(4XR100 / INNER WALL / PERDE)



H - BAKIŞI 1:2
H - VIEW 1:2



NOT:
KAYMAK KAPAK KONTROLÜ YAPILACAK. KAYMAK VE LİNEK YERLEŞİMİNE NİHAZİ VE SEZİLMİŞ OLMADUKÇA, KAYMAKLI PARÇALAR 2018 İÇİN DEĞİL, 2019 İÇİN DEĞİL OLARAK KONTROL EDİLECEKTİR. ** SADECE KAYMAKLI PARÇALAR İÇİN KONTROL EDİLECEKTİR. * "A" ALIŞIK İLE KONTROL EDİLECEKTİR.

NOT:
KAYMAK KONTROLÜ YAPILACAK. KAYMAK VE LİNEK YERLEŞİMİNE NİHAZİ VE SEZİLMİŞ OLMADUKÇA, KAYMAKLI PARÇALAR 2018 İÇİN DEĞİL, 2019 İÇİN DEĞİL OLARAK KONTROL EDİLECEKTİR. ** SADECE KAYMAKLI PARÇALAR İÇİN KONTROL EDİLECEKTİR. * "A" ALIŞIK İLE KONTROL EDİLECEKTİR.

Parça Adı / Part Name	DOĞAR No / DRAW No	Parça No / Part No	Basınç No / Press No	Malzeme / Material	Kalınlık / Thickness	Agz / Appl.
7 TAHLİYE ÇIVATIŞI M4X1.5	-	SA0016	1	DIN 7905 AL	-	-
8 RONDELA PUL 14X20	-	SA0016	1	DIN 7905 AL	-	-
6 TAHLİYE SOMUNU M4X1.5	-	SA0020	1	EN AN-8082 -TB	-	-
4 DOLUL BOGAZ	-	PR0017	1	EN AW 6754 (AlMg3)H111	t1; 2mm	-
3 PERDE	-	PR0021	2	EN AW 6754 (AlMg3)H111	t1; 2mm	-
2 KAPAK	-	PR0022	2	EN AW 6754 (AlMg3)H111	t1; 2mm	-
1 GÖVDE	-	PR0033	1	EN AW 6754 (AlMg3)H111	t1; 2mm	-

RESİMDEN ÖLÇMEYİNİZ / DO NOT SCALE FROM DRAWING

Malzeme / Material
Alüminyum / Aluminum

Actiklamalar / Explanation
Resimdeki ölçüler / Dimensions in the drawing

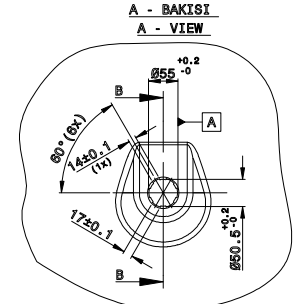
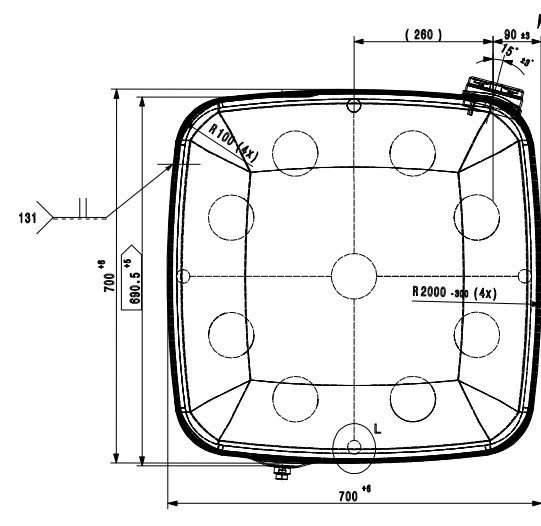
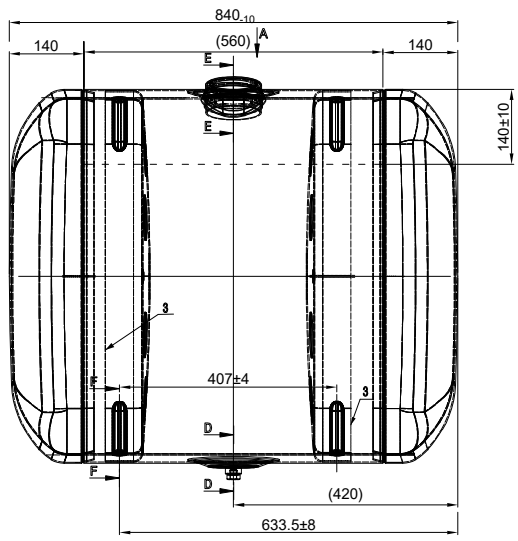
İmza / Signature	Tarih / Date	Yük / Title	İmza / Signature
	07.10.2022	S. Y. KARAGÖZÜ	
	07.10.2022	Y. KILIÇ	
	07.10.2022	H. YILMAZ	

Parça Adı / Part Name: (B02295) 600L YAKIT DEPOSU
Parça Numarası / Part Number: MA0076 - KA0021

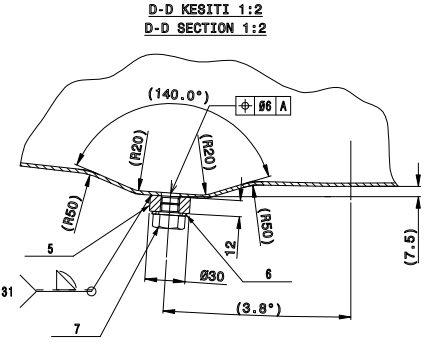
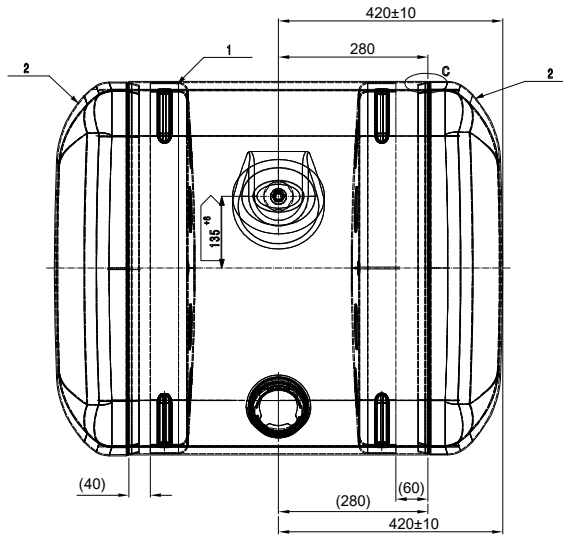
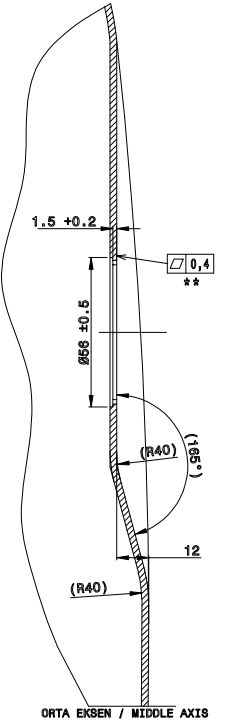
Ağırlık / Weight: 39.5 Kg
Doğru Numarası / P.I.N Number: 1 : 8

Form / Form: A1

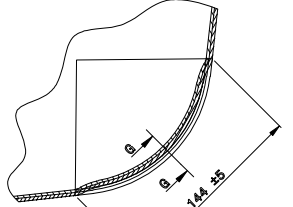
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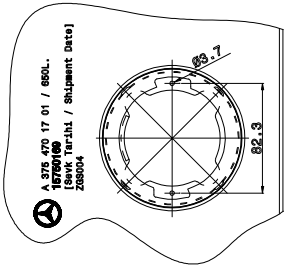
B-B KESİTİ 1:1
B-B SECTION 1:1



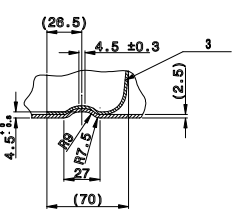
F-F KESİTİ 1:2
F-F SECTION 1:2



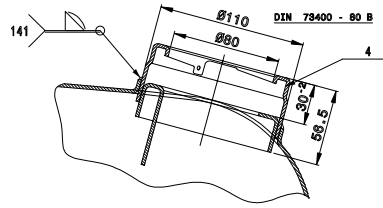
H - BAKISI 1:2
H - VIEW 1:2



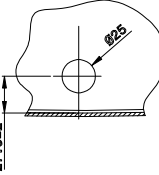
G-G KESİTİ 1:2
G-G SECTION 1:2
(4xR100 / INNER WALL / PERDE)



E-E KESİTİ 1:2
E-E SECTION 1:2



L - DETAYI 1:2
L - DETAIL 1:2

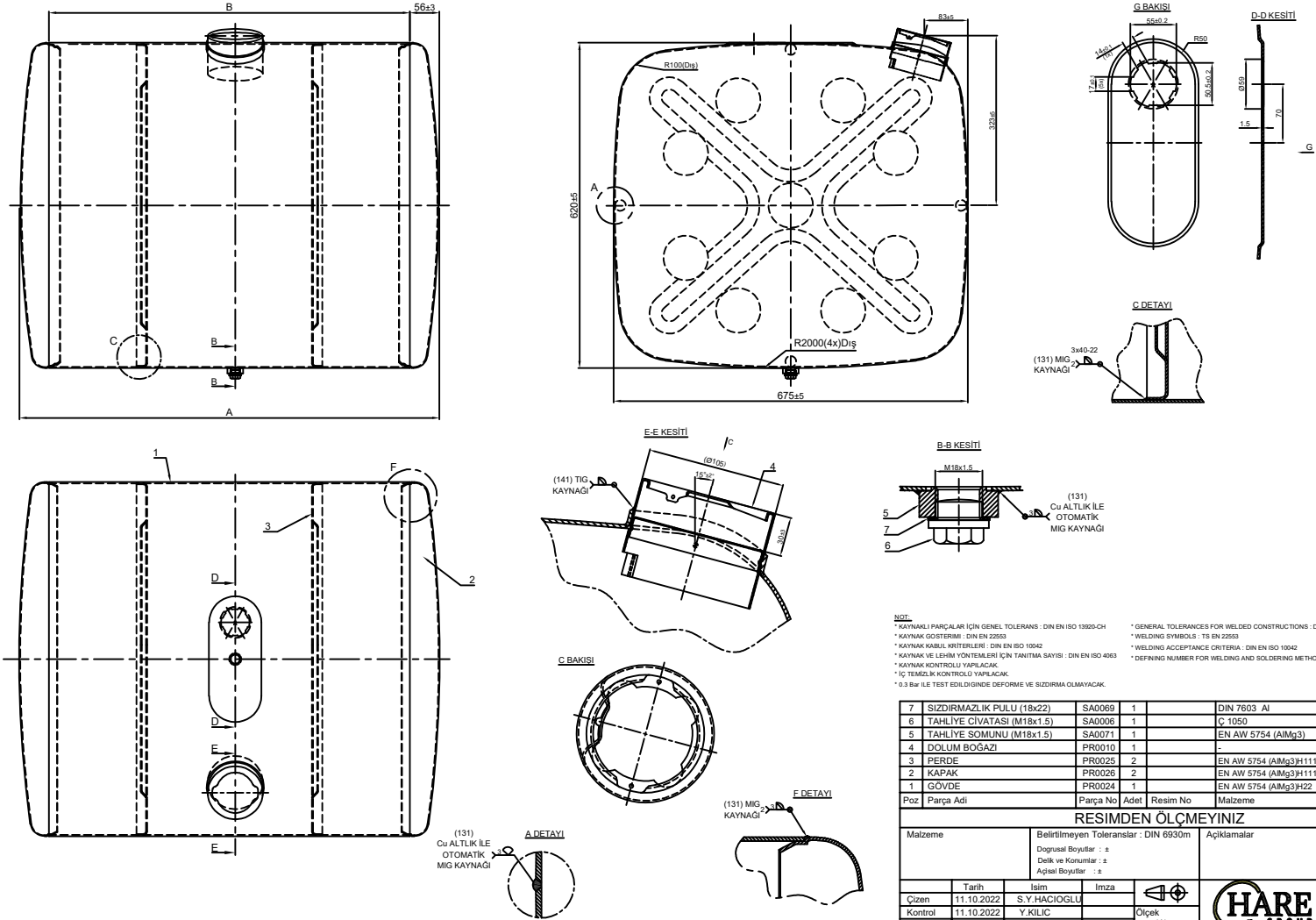


NOT: KAYIT ALINMIŞ BİRİMFORMU ÇİZİMİNDİR.

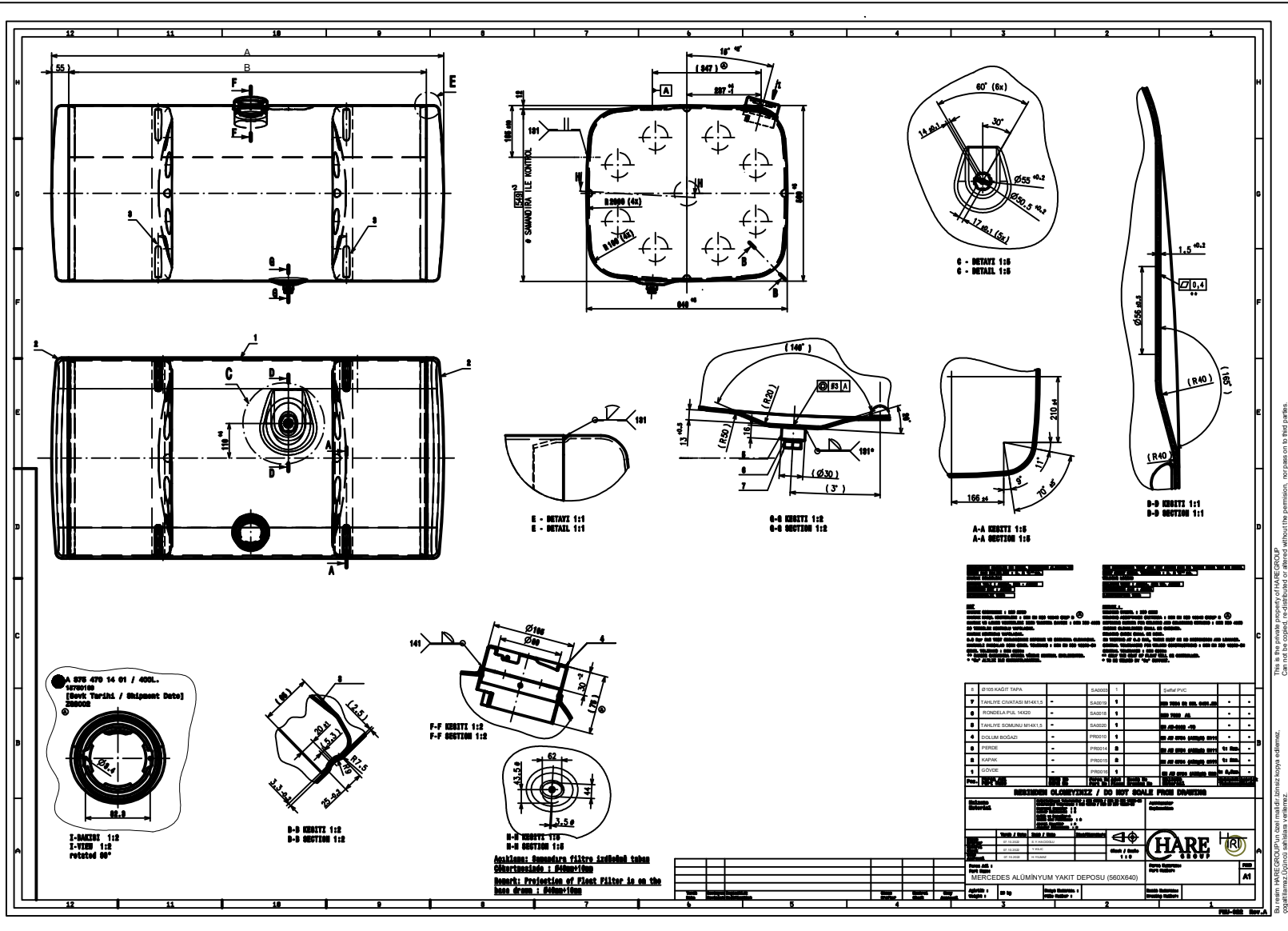
THE DIMENSIONS THAT ARE NOT GIVEN ARE TO BE TAKEN FROM THE 3D MODEL.
THE DIMENSIONS THAT ARE NOT GIVEN ARE TO BE TAKEN FROM THE 3D MODEL.
THE DIMENSIONS THAT ARE NOT GIVEN ARE TO BE TAKEN FROM THE 3D MODEL.

No	TAHAYT NO / PART NO	TAHAYT ADI / PART NAME	TAHAYT NO / PART NO	TAHAYT ADI / PART NAME	TAHAYT NO / PART NO	TAHAYT ADI / PART NAME
7	TAHAYT NO / PART NO	TAHAYT ADI / PART NAME	TAHAYT NO / PART NO	TAHAYT ADI / PART NAME	TAHAYT NO / PART NO	TAHAYT ADI / PART NAME
8	TAHAYT NO / PART NO	TAHAYT ADI / PART NAME	TAHAYT NO / PART NO	TAHAYT ADI / PART NAME	TAHAYT NO / PART NO	TAHAYT ADI / PART NAME
9	TAHAYT NO / PART NO	TAHAYT ADI / PART NAME	TAHAYT NO / PART NO	TAHAYT ADI / PART NAME	TAHAYT NO / PART NO	TAHAYT ADI / PART NAME
10	TAHAYT NO / PART NO	TAHAYT ADI / PART NAME	TAHAYT NO / PART NO	TAHAYT ADI / PART NAME	TAHAYT NO / PART NO	TAHAYT ADI / PART NAME
11	TAHAYT NO / PART NO	TAHAYT ADI / PART NAME	TAHAYT NO / PART NO	TAHAYT ADI / PART NAME	TAHAYT NO / PART NO	TAHAYT ADI / PART NAME
12	TAHAYT NO / PART NO	TAHAYT ADI / PART NAME	TAHAYT NO / PART NO	TAHAYT ADI / PART NAME	TAHAYT NO / PART NO	TAHAYT ADI / PART NAME

RESİMDEN ÖLÇMEYİNİZ / DO NOT SCALE FROM DRAWING	
Parça Adı / Part Name	(B02155) 350L YAKIT DEPOSU
Parça Numarası / Part Number	MA0077 - KA0022
Form No / Form No	A1
Ağırlık / Weight	39.5 kg
Doğrulama / Drawing Number	1: 8

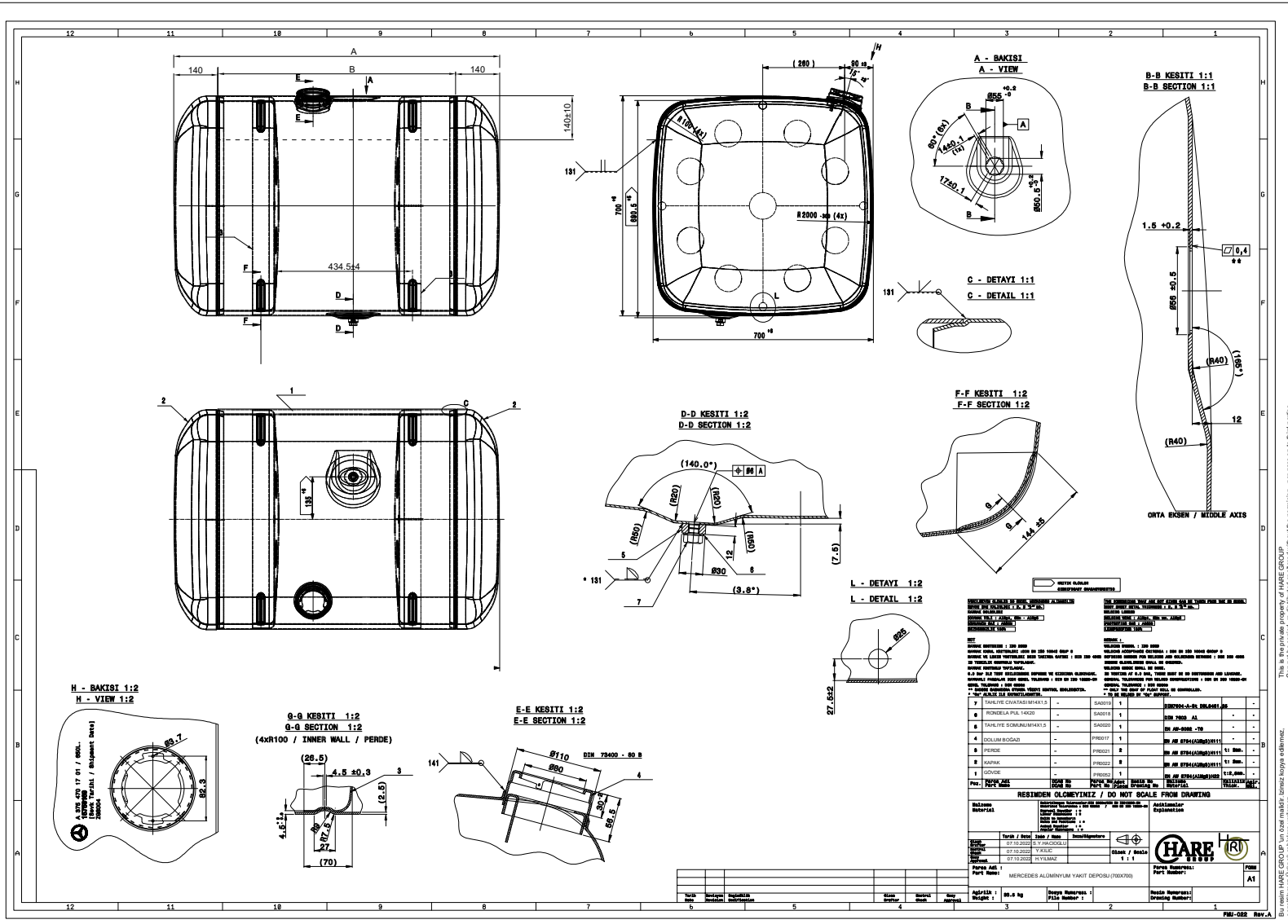


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MERCEDES ALÜMİNYUM DEPO			
HRT KOD	UZUNLUK A	GÖVDE UZUNLUĞU B	HACİM
MA0045	1550	1440	500
MA0048	945	835	300

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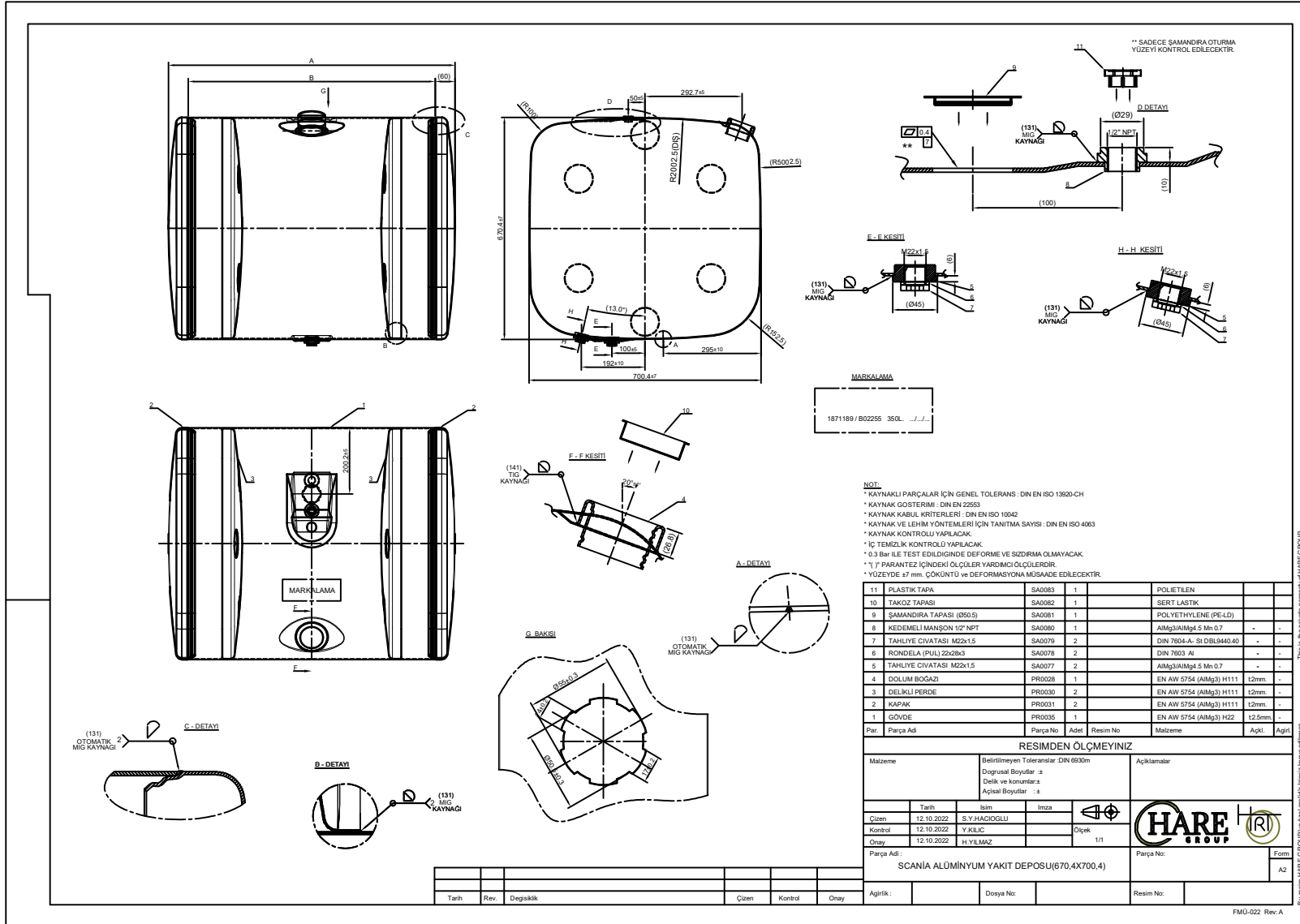
MERCEDES ALÜMİNYUM DEPO			
HRT KOD	UZUNLUK A	GÖVDE UZUNLUĞU B	HACİM
MA0010	2040	1760	900
MA0012	1700	1420	750
MA0014	730	450	300
MA0015	1275	995	550
MA0017	1800	1520	800
MA0018	2250	1970	990

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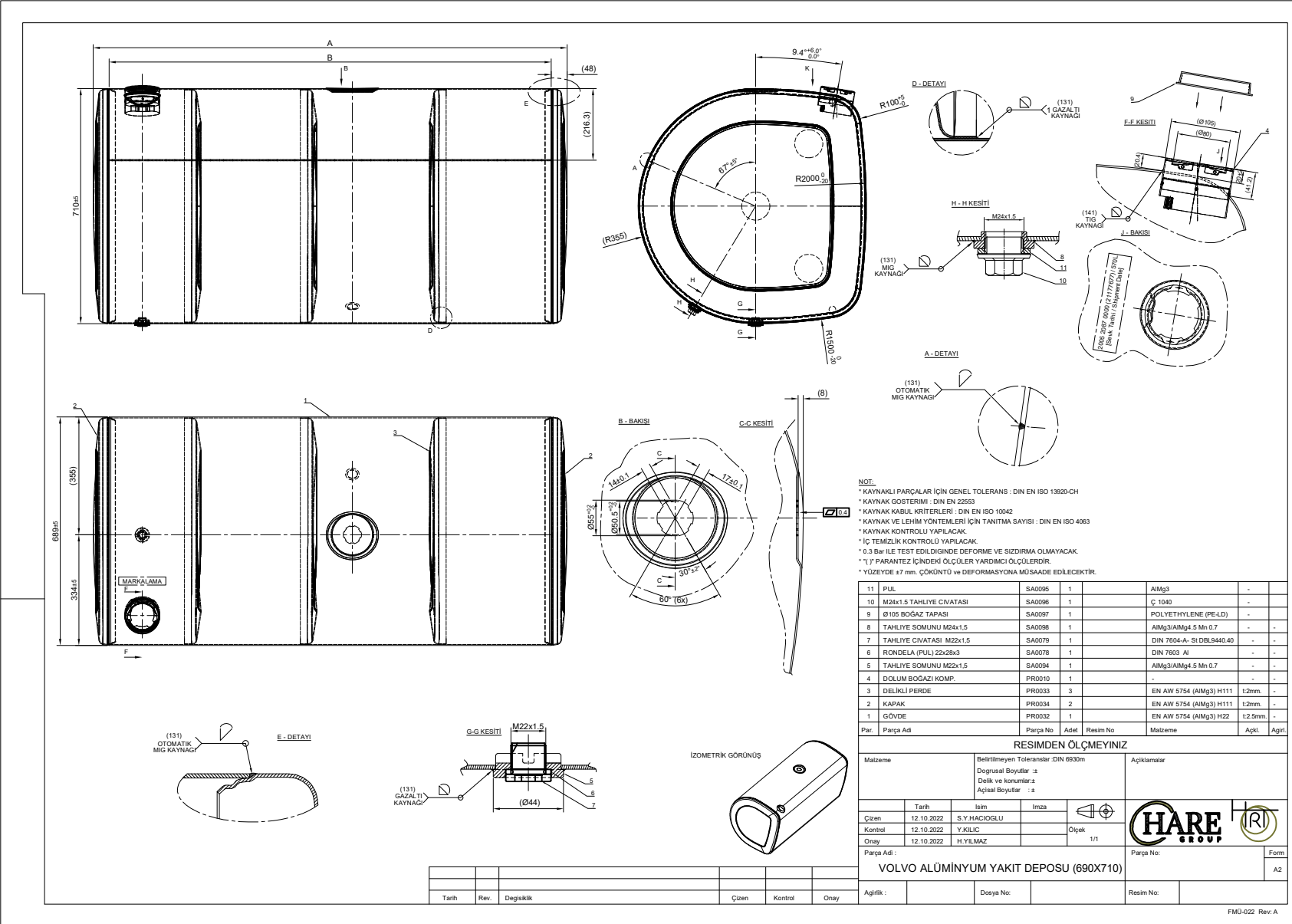
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Revizyon	Tarih / Revizyon	İzmit / Revizyon	Yapılan İşlem / Revizyon
1	07.10.2022	STY	PROJELERİN ÇIKARILMASI
2	07.10.2022	STY	REVİZYON



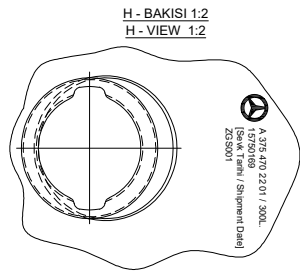
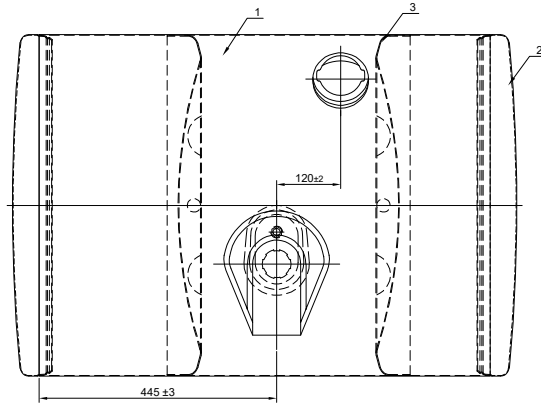
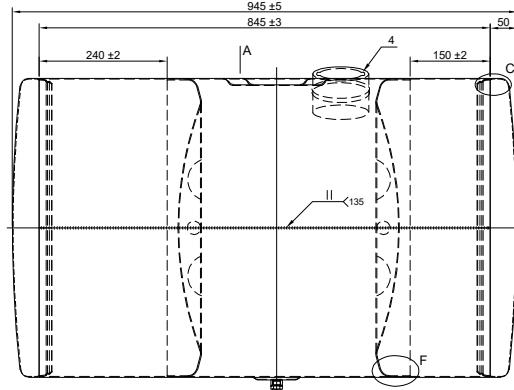
SCANIA ALÜMİNYUM DEPO			
HRT KOD	UZUNLUK A	GÖVDE UZUNLUĞU B	HACİM
MA0020	1542	505	625
MA0021	-	-	-
MA0022	1515	1395	600
MA0023	1140	1020	470
MA0025	1014	894	400
MA0026	625	505	250
MA0028	675	555	300
MA0029	505	385	200



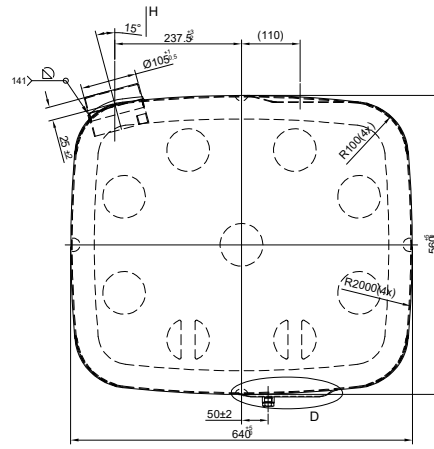
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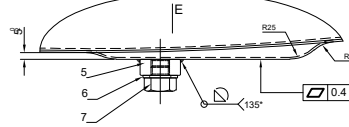
VOLVO ALÜMİNYUM DEPO			
HRT KOD	UZUNLUK A	GÖVDE UZUNLUĞU B	HACİM
MA0060	1730	1634	690
MA0061	1530	1434	610
MA0063	1330	1234	530
MA0064	1230	1134	490
MA0065	1260	1164	500
MA0066	1130	1034	450
MA0067	1030	934	365
MA0068	930	834	330
MA0069	830	734	210
MA0070	530	434	170
MA0071	430	334	650
MA0072	1630	1534	250
MA0073	900	804	355
MA0074	715	619	285



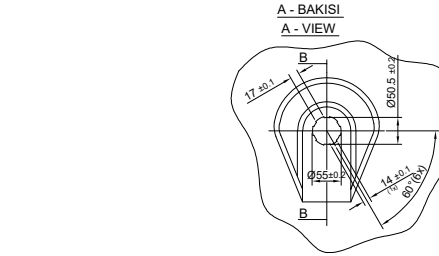
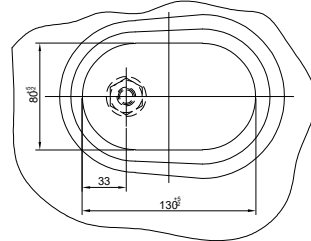
H - BAKISI 1:2
H - VIEW 1:2



D - DETAYI 1:2
D - DETAIL 1:2

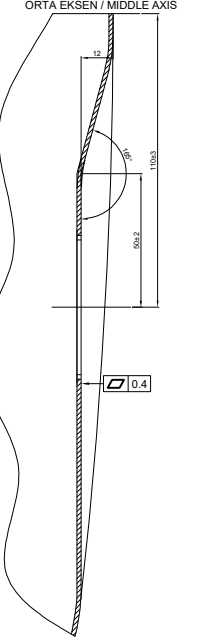


E - BAKISI 1:2
E - VIEW 1:2

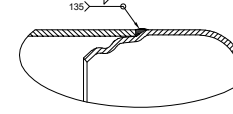


A - BAKISI
A - VIEW

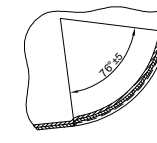
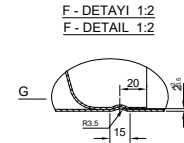
B-B KESITI 1:1
B-B SECTION 1:1



C - DETAYI 1:1
C - DETAIL 1:1



G - BAKISI 1:2
G - VIEW 1:2



NOT		REMARKS	
12	TENZİMLİK KONTROLÜ YAPILACAK	12	İNİSİDE CLEANLINESS SHALL BE CHECKED
7	KAYNAK KONTROLÜ YAPILACAK	7	WELDING CHECK SHALL BE DONE
	0.3 Bar İLE TEST EDİLDİĞİNDE DEFORME VE SIZDIRMA OLMAYACAK		IN TESTING AT 0.3 BAR, THERE MUST BE NO DISTORTION AND LEAKAGE
	KAYNAK STANDARTI: DIN EN ISO 15620-CH		WELDING STANDARD: DIN EN ISO 15620-CH
	GENEL TOLERANS: DIN 6180		GENERAL TOLERANCE: DIN 6180
	BOYA: 40-80µm NOVA GRI (MB 755)		PAINTEG: WITH 40-80µm NOVA GREY (MB 755)
	ELEKTROSTATİK TOZ BOYALI BOYANACAKTIR.		ELECTROSTATIC POWDER PAINT.
	DEPO ÇI YÜZEYİNDE KORÜZYONLA OLANAK AMAÇTILMA		TO PREVENT CORROSION ON INNER SURFACE OF TANK.
	VCI 705 UYGULANACAK.		VCI 705 SHALL BE APPLIED.
	**ÇU ALTILIK İLE KAYNATILACAKTIR.		**TO BE WELDED BY ÇU SUPPORT.

7	TAHLİYE CUVATASI M14x1.5 BOLT M14x1.5		SA0019	1	DIN 7504 St	-	-
6	RONDELA PUL D14x18 WASHNER D14x18		SA0153 <td>1</td> <td>DIN 7503 Cu</td> <td>-</td> <td>-</td>	1	DIN 7503 Cu	-	-
5	TAHLİYE SOMUNU M14x1.5 NUT M14x1.5		SA0154 <td>1</td> <td>St 37</td> <td>-</td> <td>-</td>	1	St 37	-	-
4	DOĞLUM BOĞAZI FILLING NECK		PR0001	1	-	-	-
3	PERDE INNER WALL		PR0048	2	DIN EN 10111-1 0332+DBL 4050 10	E:1.5mm	-
2	KAPAÇ CAP		PR0042	2	DIN EN 10111-1 0332+DBL 4050 10	E:1.5mm	-
1	GOVDE BODY		PR0045	1	DIN EN 10111-1 0332+DBL 4050 10	E:1.5mm	-

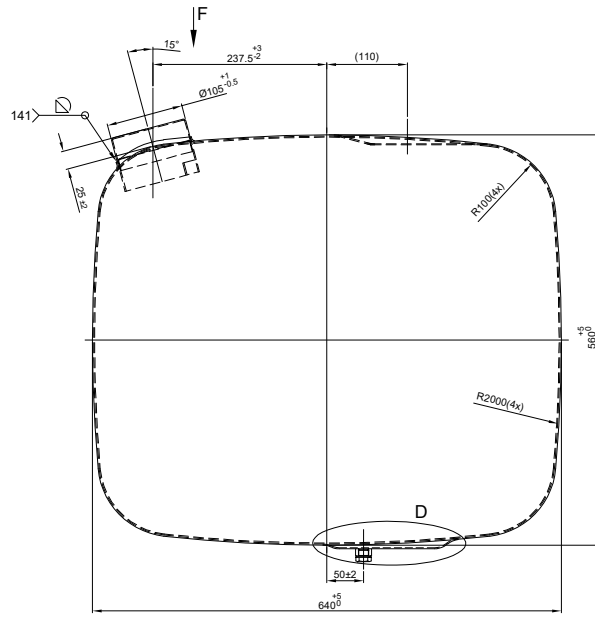
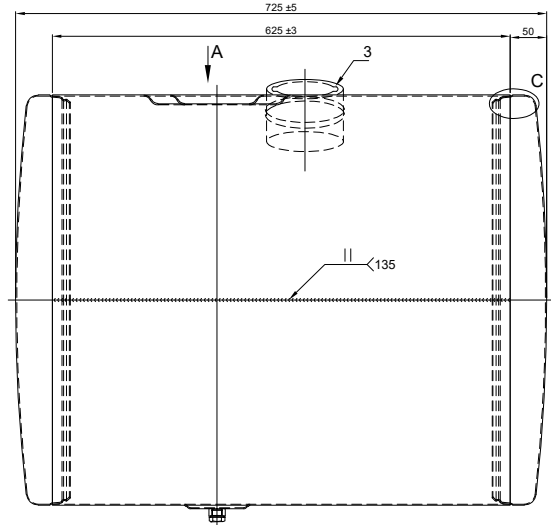
RESİMDEN ÖLÇMEYİNİZ / DO NOT SCALE FROM DRAWING			
Malzeme	Setirilmeyen Toleranslar: ISO 60/20	Diğerleri: DIN EN ISO 15620-CH	Açıklamalar
Material	Unadjusted Tolerances: ISO 60/20	Others: DIN EN ISO 15620-CH	Explanation
Çizim	15.10.2022	S. Y. HADROĞLU	
Çizim	15.10.2022	Y. KILIC	
Onay	15.10.2022	H. YILMAZ	
Onay	15.10.2022		
Parça Adı:	(B01675) 300L YAKIT DEPOSU		Parça Numarası:
Part Name:	(B01675) 300L FUEL TANK		Part Number:
Ağırlık:	40 kg	Çizim Numarası:	MA0003 - KA0016
Weight:	40 kg	File Number:	MA0003 - KA0016

Tarih	Revizyon	Değişiklik	Çizen	Kontrol	Onay
Date	Revision	Modification	Drawn	Check	Approval

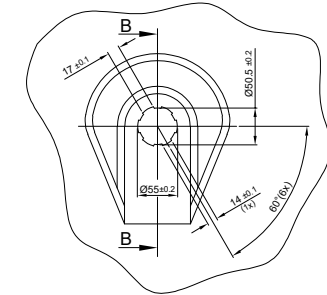
B-B KESİTİ 1:1

B-B SECTION 1:1

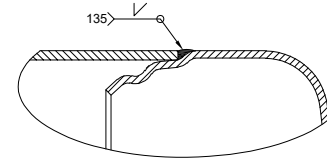
ORTA EKSEN / MIDDLE AXIS



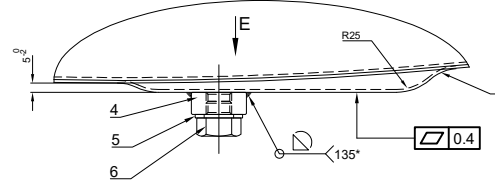
A - BAKIŞI
A - VIEW



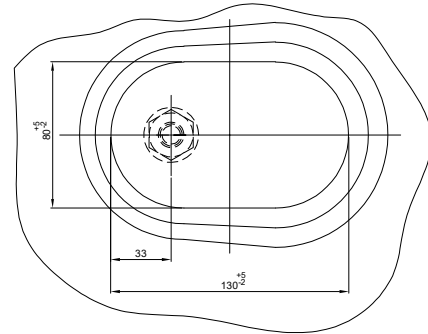
C - DETAYI 1:1
C - DETAIL 1:1



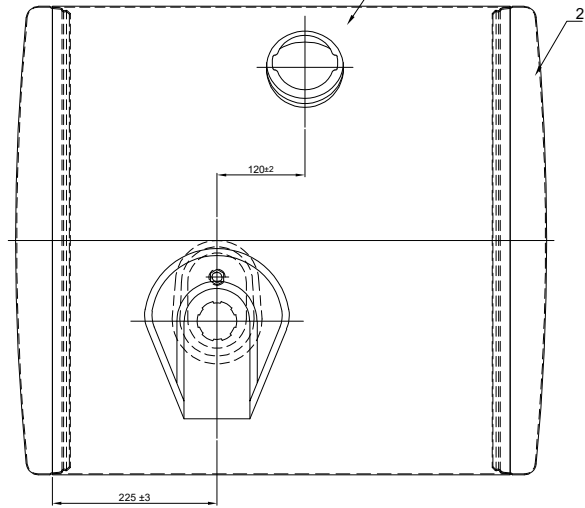
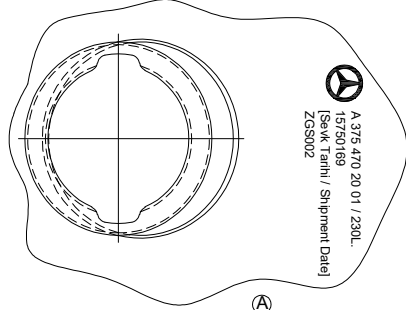
D - DETAYI 1:2
D - DETAIL 1:2



E - BAKIŞI 1:2
E - VIEW 1:2



F - BAKIŞI 1:2
F - VIEW 1:2



NOT
İÇ TEMİZLİK KONTROLÜ YAPILACAK.
KAYNAK KONTROLÜ YAPILACAK.
0.3 BAR İLE TEST EDİLDİĞİNDE DEFORME VE SIZDIRMA OLMAYACAK.
KAYNAK STANDARTI: DIN EN ISO 13020-CH
GENEL TOLERANS: DIN 81800
BOYA: 40-80µm NOVA GRİ (MB 730)
ELEKTROSTATİK TOZ BOYA İLE BOYANACAKTIR.
DEPO İÇ YÜZÜNDE KORROZYONU ÖNLEMEK AMACIYLA VCI 705 UYGULANACAK.
* "C" ALTLIK İLE KAYNATILACAKTIR.

REMARK:
INSIDE CLEANLINESS SHALL BE CHECKED.
WELDING CHECK SHALL BE DONE.
IN TESTING AT 0.3 BAR, THERE MUST BE NO DISTORSION AND LEAKAGE.
WELDING STANDARD: DIN EN ISO 13020-CH
GENERAL TOLERANCE: DIN 81800
PAINTING: WITH 40-80µm NOVA GREY (MB 730)
ELECTROSTATIC POWDER PAINT.
TO PREVENT CORROSION ON INNER SURFACE OF TANK, VCI 705 SHALL BE APPLIED.
* TO BE WELDED BY "C" SUPPORT.

6	TAHLİYE ÇUVATASI M14x1.5 BOLT M14x1.5	SA0019	1	DIN 7604 St	-	-	
5	ROİNDELİ (PULU) D14x18 WASHES D14x18	SA0153	1	DIN 7603 Cu	-	-	
4	TAHLİYE SOMUNU M14x1.5 NUT M14x1.5	SA0154	1	St 37	-	-	
3	DÖLİM BOGAZI FILLING NECK	PR0001	1	-	-	-	
2	KAPAK CAP	PR0042	2	DIN EN 10111-1-0332+DİL 4050 10	E1, 5mm	-	
1	GÖVDE BODY	PR0041	1	DIN EN 10111-1-0332+DİL 4050 10	E1, 5mm	-	
Poz.	Parça Adı Part Name	DİŞEĞİ No / DRAWING No	Parça No / Part No	Resim No / Drawing No	Malzeme / Material	Kalınlık / Thickness	Ağrlık / Weight

RESİMDEN ÖLÇMEYİNİZ / DO NOT SCALE FROM DRAWING

Malzeme / Material	Sertifika No / Certificate No	Açıklama / Explanation

Sıra / Line	Tarih / Date	İsim / Name	İmza / Signature	Ölçek / Scale

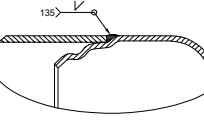
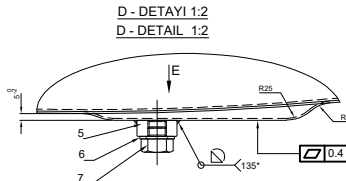
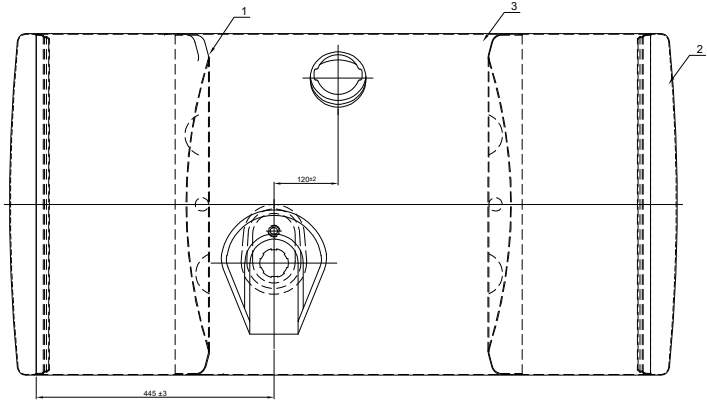
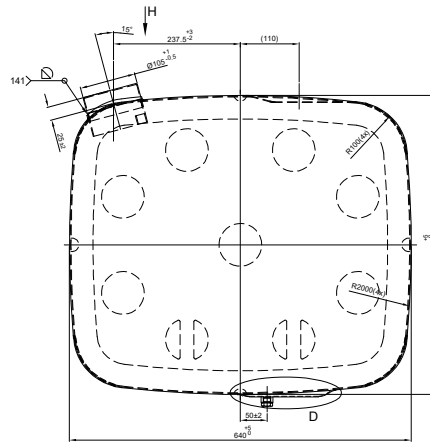
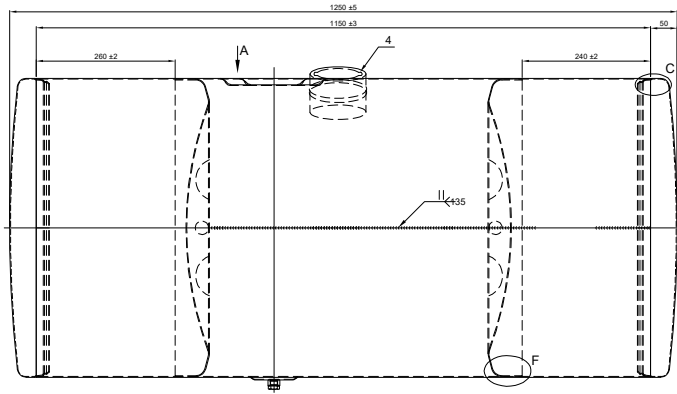
Parça Adı / Part Name: (B01674) 230L YAKIT DEPOSU

Parça Numarası / Part Number: MA0004 - KA0015

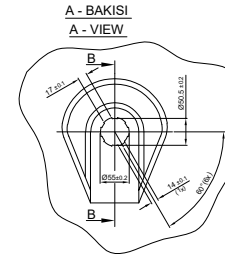
FORM: A1

Revizyon / Revision	Değişiklik / Modification	Çizen / Drafter	Kontrol / Check	Onay / Approval

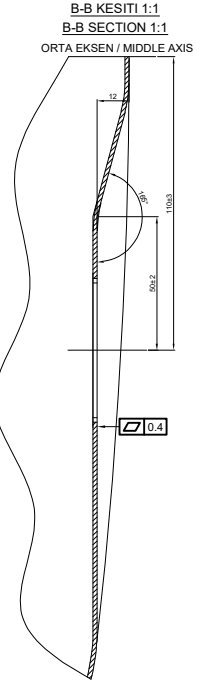
Ağırlık / Weight: 26 kg
Dış Ölçü / External Dimension: 725 x 625 x 50 mm
Çizim Ölçüsü / Drawing Scale: 1:1



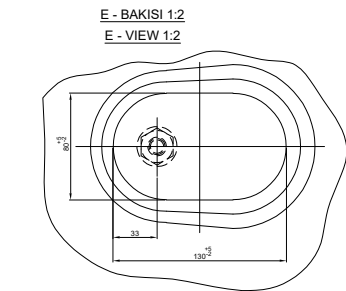
C - DETAYI 1:1
C - DETAYI 1:1



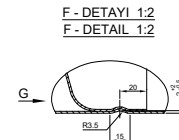
A - BAKISI
A - VIEW



B-B KESITI 1:1
B-B SECTION 1:1
ORTA EKSEN / MIDDLE AXIS

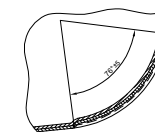


E - BAKISI 1:2
E - VIEW 1:2

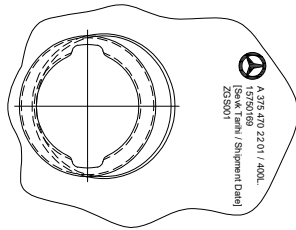


F - DETAYI 1:2
F - DETAYI 1:2

G - BAKISI 1:2
G - VIEW 1:2



H - BAKISI 1:2
H - VIEW 1:2



NOT
İÇ TEMİZLİK KONTROLÜ YAPILACAK.
KAYNAK KONTROLÜ YAPILACAK.
0.3 Bar İLE TEST EDİLDİĞİNDE DEFORME VE SIZDIRMA OLMAYACAK.
KAYNAK STANDARTI: DIN EN ISO 15025-CH
GENEL TOLERAN: DIN 61806
BOYA: 40-80µm NOVA GRİ (MB 7550)
ELEKTROSTATİK TOZ BOYALI İLE BOYANACAKTIR.
DEPO ÇI YÜZEYİNDE KORÜZYONU ÖZELBİR AMAÇLA VCI 705 UYGULANACAK.

REMARK:
INSIDE CLEANLINESS SHALL BE CHECKED.
WELDING CHECK SHALL BE DONE.
IN TESTING AT 0.3 BAR, THERE MUST BE NO DISTORSION AND LEAKAGE.
WELDING STANDARD: DIN EN ISO 15025-CH
GENERAL TOLERANCE: DIN 61806
PAINTING: WITH 40-80µm NOVA GREY (MB 7550)
ELECTROSTATIC POWDER PAINT.
TO PREVENT CORROSION ON INNER SURFACE OF TANK, VCI 705 SHALL BE APPLIED.

* 'C' ÇU ALTILIK İLE KAYNATILACAKTIR.
* 'C' TO BE WELDED BY 'C' SUPPORT.

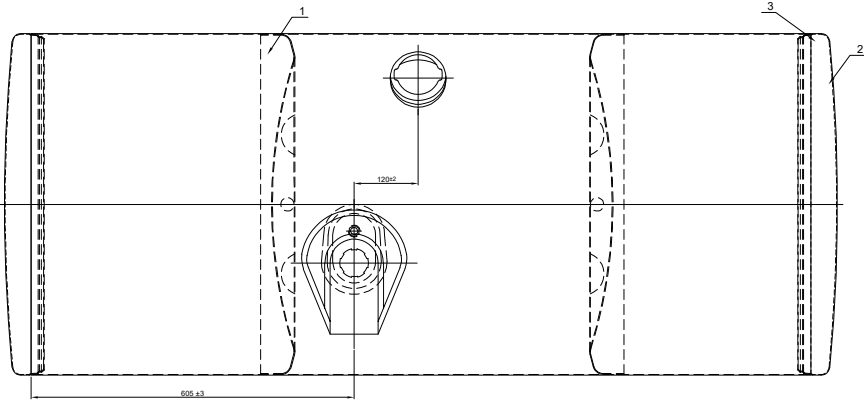
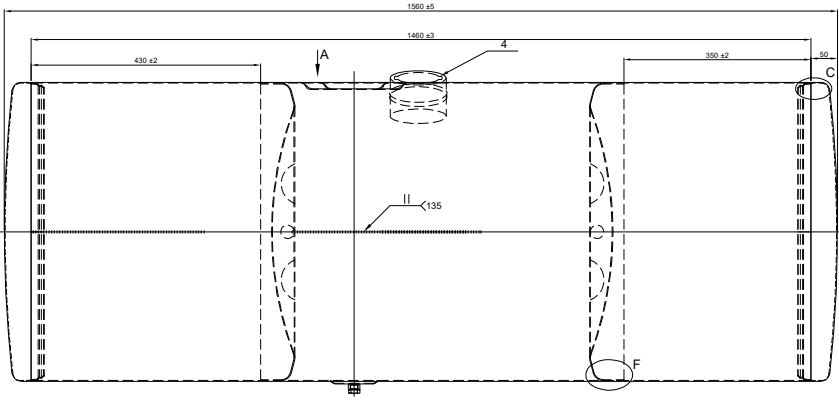
7	TAHLİYE CİVATASI M14x1.5 BOLT M14x1.5	-	SA0019	1	DIN 7504 St	-	-
6	RONDELİA PULU D14x18 WASHHER D14x18	-	SA0153	1	DIN 7503 Cu	-	-
5	TAHLİYE SOMUNU M14x1.5 NUT M14x1.5	-	SA0154	1	SI 37	-	-
4	DÖLÜM BÖĞAZI FILLING NECK	-	PR0001	1	-	-	-
3	PERDE INNER WALL	-	PR0048	2	DIN EN 10111-1 0332+DBL 4050 10	E:1.5mm	-
2	KAPAK CAP	-	PR0042	2	DIN EN 10111-1 0332+DBL 4050 10	E:1.5mm	-
1	ÇÖVDE BODY	-	PR0090	1	DIN EN 10111-1 0332+DBL 4050 10	E:1.5mm	-

Materyal	Sevkiyet	Tarih / Date	İmza / Name	İmza/Signature	Çizim / Scale	Parça Adı / Part Name	Parça Numarası / Part Number
Sevkiyet / Tolerans: DIN 61806	15.10.2022	S. Y. MADRİĞULLU			1:5	(B01854) 400L YAKIT DEPOSU	MA0006 - KA0028
Disiplin / Approval: A	15.10.2022	Y. KILIC					
Deklare / Declaration: A	15.10.2022	H. YILMAZ					
Resim / Drawing: A							

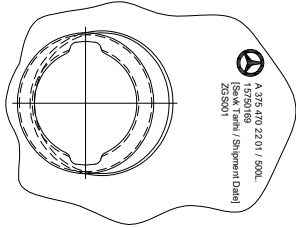
Tarih / Date	Revizyon / Revision	Değişiklik / Modification	Çizen / Drafter	Kontrol / Check	Onay / Approval
--------------	---------------------	---------------------------	-----------------	-----------------	-----------------

Ağırlık / Weight: 40 kg	Çizim / Drawing: 1:5	Form / FORM: A1
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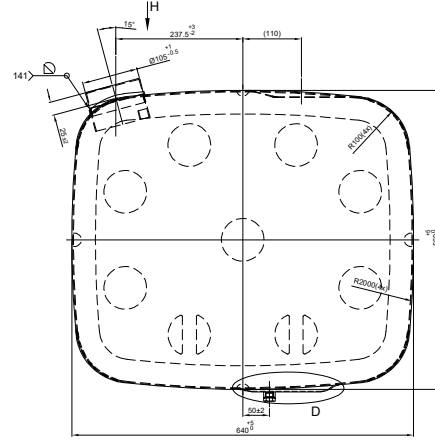
HARE ve HTR logosu, HARE ve HTR markası, HARE ve HTR yazı tipi, HARE ve HTR yazı boyutu, HARE ve HTR yazı rengi, HARE ve HTR yazı kalınlığı, HARE ve HTR yazı aralığı, HARE ve HTR yazı hizası, HARE ve HTR yazı rengi, HARE ve HTR yazı kalınlığı, HARE ve HTR yazı aralığı, HARE ve HTR yazı hizası, HARE ve HTR yazı rengi, HARE ve HTR yazı kalınlığı, HARE ve HTR yazı aralığı, HARE ve HTR yazı hizası.



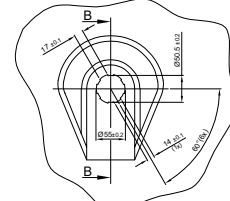
H - BAKISI 1:2
H - VIEW 1:2



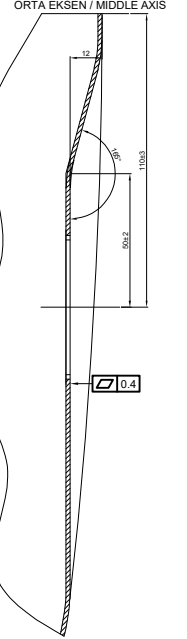
A.375.470.2201 / 500L
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(Sıkı Tutulmuş / Sığmaz Daire)
2023001



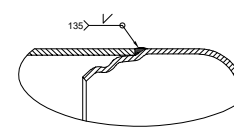
A - BAKISI
A - VIEW



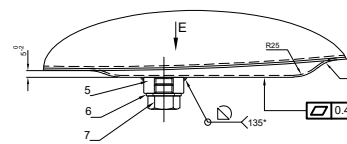
B-B KESİTİ 1:1
B-B SECTION 1:1



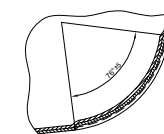
C - DETAYI 1:1
C - DETAIL 1:1



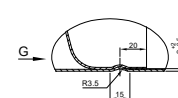
D - DETAYI 1:2
D - DETAIL 1:2



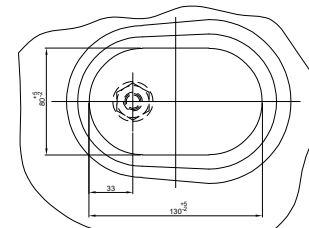
G - BAKISI 1:2
G - VIEW 1:2



F - DETAYI 1:2
F - DETAIL 1:2



E - BAKISI 1:2
E - VIEW 1:2



NOT

12 TEMİZLİK KONTROLÜ YAPILACAK
KAYNAK KONTROLÜ YAPILACAK
0.3 Bar İLE TEST EDİLDİĞİNDE DEFORME VE SIZDIRMA OLMAYACAK
KAYNAK STANDARTI: DIN EN ISO 15202-CH
GENEL TOLERANSLAR: DIN EN 60020
BOYA: 40-80µm NOVA GRİ (MB 750)
ELEKTROSTATİK TOZ BOYA İLE BOYANACAKTIR.
DEPO İÇ YÜZÜNDE KORROZYONU ÖZELBİR AMANETLE
VCİ 705 UYGULANACAKTIR.

* 'C' UÇLARI İLE KAYNATILACAKTIR.

REMARKS

INSIDE CLEANLINESS SHALL BE CHECKED
WELDING CHECK SHALL BE DONE.
IN TESTING AT 0.3 BAR, THERE MUST BE NO DISTORTION AND LEAKAGE
WELDING STANDARD: DIN EN ISO 15202-CH
GENERAL TOLERANCE: DIN EN 60020
PAINTING: WITH 40-80µm NOVA GREY (MB 750)
ELECTROSTATIC POWDER PAINT.
TO PREVENT CORROSION ON INNER SURFACE OF TANK,
VCİ 705 SHALL BE APPLIED.

* 'C' TO BE WELDED BY 'C' SUPPORT.

7	TAHLİYE CİVATASI M14x1.5 BOLT M14x1.5	SA0019	1	DIN 7504 St	-	-
6	RONDİLA PULU D14x18 WASHER D14x18	SA0153	1	DIN 7503 Cu	-	-
5	TAHLİYE SOMUNU M14x1.5 NUT M14x1.5	SA0154	1	St 37	-	-
4	DÖLÜM BÖĞAZI FILLING NECK	PR0001	1	-	-	-
3	PERDE INNER WALL	PR0048	2	DIN EN 10111-1 0332+DBL 4050 10	1:1.5mm	-
2	KAPAK CAP	PR0042	2	DIN EN 10111-1 0332+DBL 4050 10	1:1.5mm	-
1	GOVDE BODY	PR0091	1	DIN EN 10111-1 0332+DBL 4050 10	1:1.5mm	-
Poz.	Parça Adı Part Name	DİĞER NO Other No	Parça No Part No	Resim No Drawing No	Malzeme Material	Ağırlık Thickness/Weight

RESİMDEN ÖLÇMEYİNİZ / DO NOT SCALE FROM DRAWING

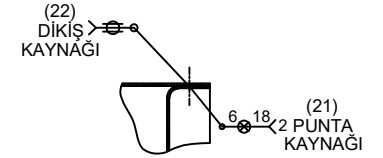
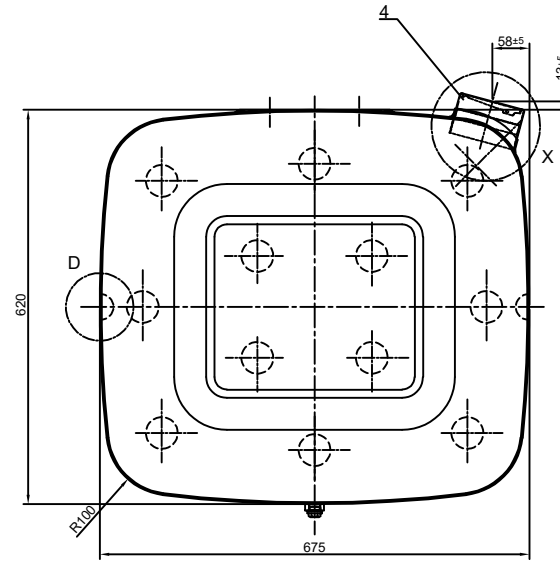
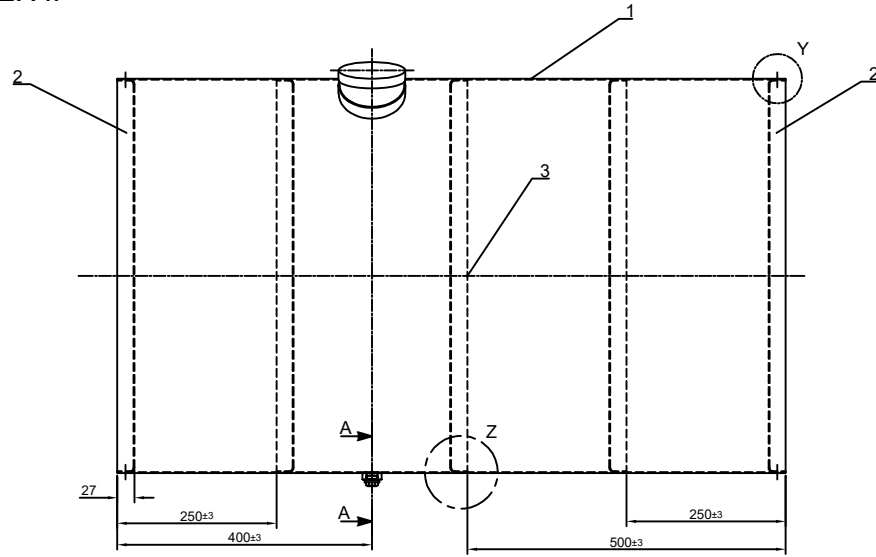
Malzeme Material	Sertifika Referansı / Certificate Reference Dışsal Boyutlar / External Dimensions Dışsal Boyutlar / External Dimensions Dışsal Boyutlar / External Dimensions	Açıklama / Explanation
	Sertifika Referansı: DIN EN ISO 15202-CH Dışsal Boyutlar: 1000x600x100	

Çizim Drawing	Tarih / Date	İsim / Name	İmza/Signature	Ölçek / Scale
Çizim Drawing	15.10.2022	S. Y. HADİOĞLU		1:1.5
Denetim Check	15.10.2022	Y. KILIC		
Onay Approval	15.10.2022	H. YILMAZ		

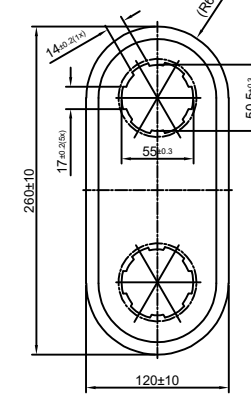
Parça Adı / Part Name	Parça Numarası / Part Number	FORM
(B01998) 500L YAKIT DEPOSU	MA0007 - KA0029	A1

Ağırlık / Weight	Dozaya Numarası / File Number	Resim Numarası / Drawing Number
40 kg		

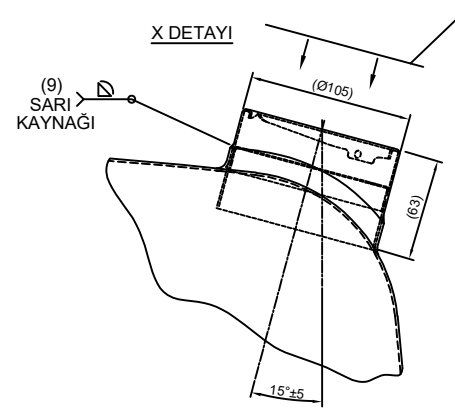
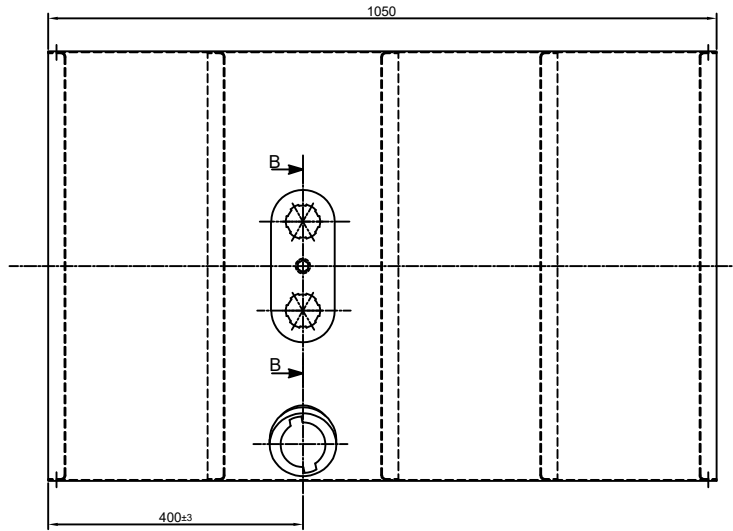
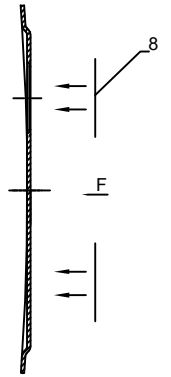
Tarih Date	Revizyon Revision	Değişiklik Modification	Gelen Drawn	Kontrol Check	Onay Approval



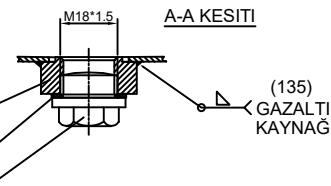
F BAKIŞI



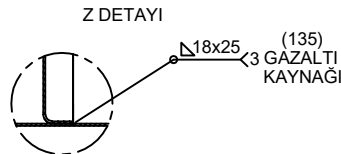
E-E KESİTİ



D - DETAYI



(135) GAZALTI KAYNAĞI



(135) GAZALTI KAYNAĞI

- NOT:
- * KAYNAKLI PARÇALAR İÇİN GENEL TOLERANS : DIN EN ISO 13920-CH
 - * KAYNAK GÖSTERİMİ : DIN EN 22553
 - * KAYNAK KABUL KRİTERLERİ : DIN EN ISO 5817
 - * KAYNAK VE LEHİM YÖNTEMLERİ İÇİN TANITMA SAYISI : DIN EN ISO 4063
 - * KAYNAK KONTROLÜ YAPILACAK
 - * İÇ TEMİZLİK KONTROLÜ YAPILACAK
 - * 0.3 Bar İLE TEST EDİLDİĞİNDE DEFORME VE SIZDIRMA OLMAYACAK.
 - * BOYA : 40-80µm RAL 9011 İLE BOYANACAKTIR.
 - * DEPO İÇ YÜZEYİNE KORUYUCU ONLEMEK AMACIYLA FLUID FLİM UYGULANACAK.
 - * TANK YÜZEYİNDE ±5 mm ÇÖKÜNTÜYE MÜSAADE EDİLİR.

Parça No	Adet	Resim No	Malzeme	Açıkl.	Agıt.
Ø 105 KAĞIT TAPA	SA0003	1	-	Seyfar PVC	
Ø80 KAĞIT TAPA	SA0004	2	-	Seyfar PVC	
M18*1.5 TAHLİYE CİVATASI	SA0006	1	-	C 1050	
M18*1.5 PUL	SA0005	1	-	Bakır	
M18*1.5 TAHLİYE SOMUNU	SA0008	1	-	Si 37	
DEPO BOGAZI	PR0001	1	-		
PERDE	PR0005	3	-	E1110/SH1303/1.5mm	
KAPAK	PR0005	2	-	E1110/SH1303/1.5mm	
GÖVDE	PR0004	1	-	E1110/SH1203/1.5mm	

RESİMDEN ÖLÇMEYİNİZ

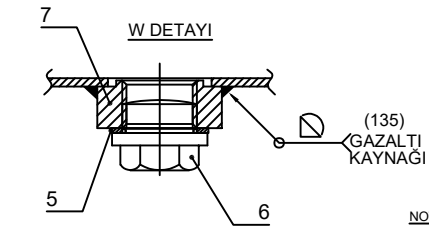
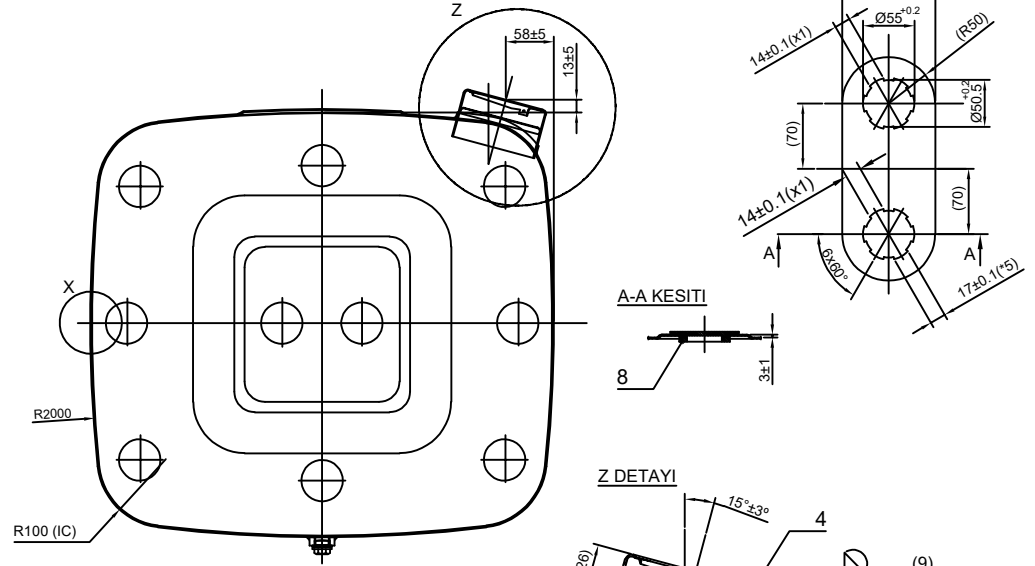
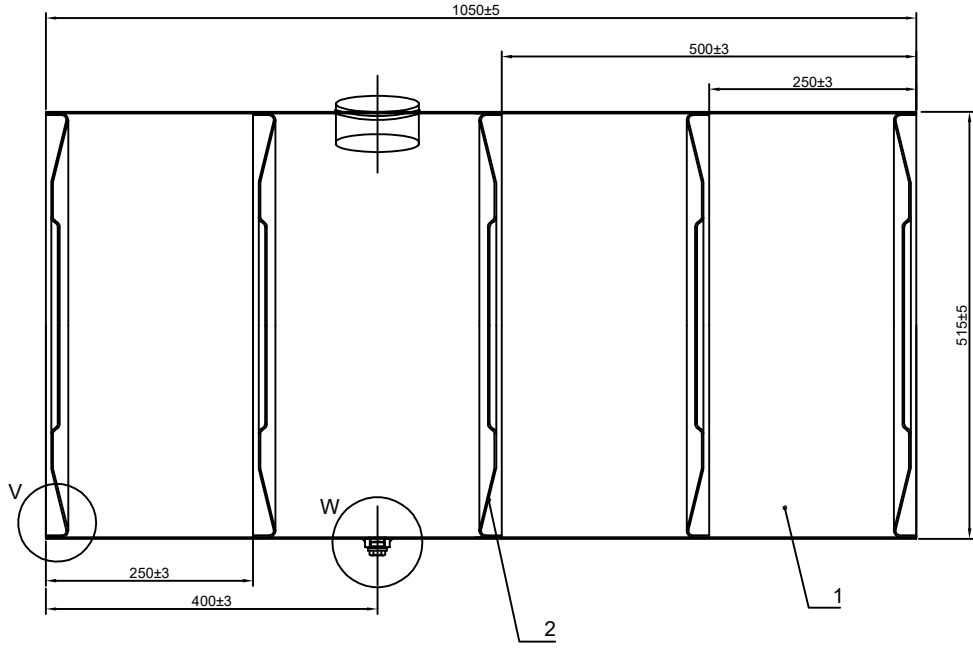
Malzeme	Belirtilmeyen Toleranslar	Açıklamalar
	Doğrusal Boyutlar : ±	
	Delikler ve Konular : ±	
	Açısal Boyutlar : ±	

Çizim	Tarih	İsim	İmza	Ölçek	HARE	IRI
Çizim	03.10.22	S.Y.HACIOĞLU				
Kontrol	03.10.22	Y.KILIÇ				
Onay	03.10.22	H.YILMAZ				

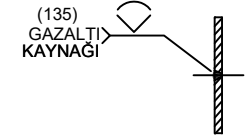
Parça No:	Adet:	Resim No:
(B00437) 400L YAKIT DEPOSU		MA0031 - KA0001

Agırlık:	Dosya No:	Resim No:

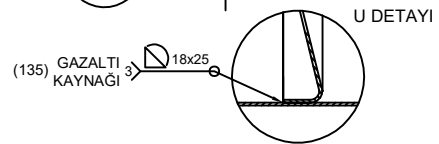
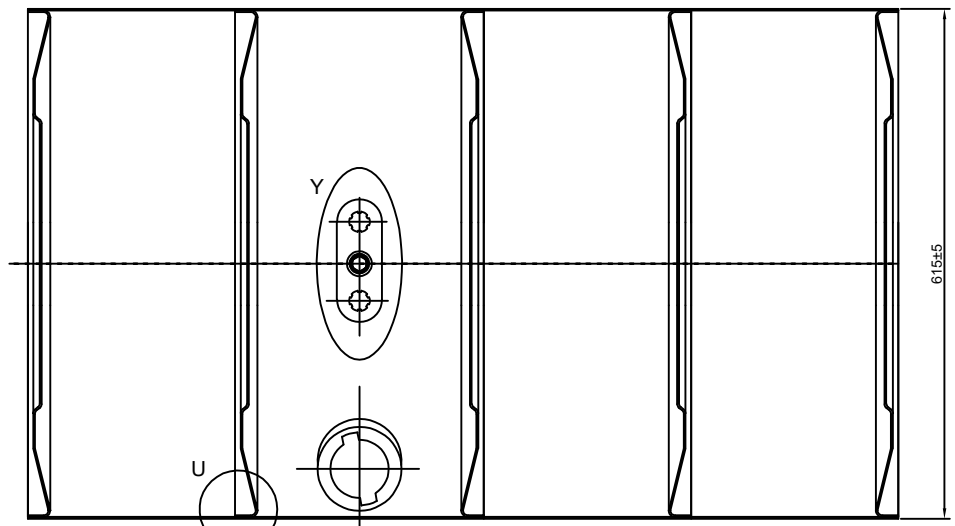
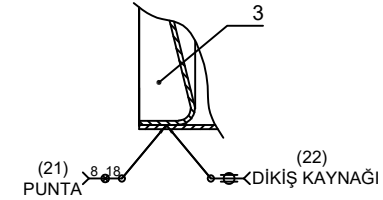
Tarih	Rev.	Değişiklik	Çizen	Kontrol	Onay



X DETAYI



V DETAYI



NOT:

- * KAYNAKLI PARÇALAR İÇİN GENEL TOLERANS : DIN EN ISO 13920-CH
- * KAYNAK GOSTERİMİ : DIN EN 22553
- * KAYNAK KABUL KRİTERLERİ : DIN EN ISO 5817
- * KAYNAK VE LEHİM YÖNTEMLERİ İÇİN TANITMA SAYISI : DIN EN ISO 4063
- * KAYNAK KONTROLÜ YAPILACAK.
- * İÇ TEMİZLİK KONTROLÜ YAPILACAK.
- * 0,3 Bar İLE TEST EDİLDİĞİNDE DEFORME VE SIZDIRMA OLMAYACAK.
- * BOYA : 80-100µm (PARLAK SIYAH) İLE BOYANACAKTIR.
- * "(J" PARANTEZ İÇİNDEKİ ÖLÇÜLER YARDIMCI ÖLÇÜLERDİR.
- * DEPO İC YÜZEYİNE KOROZYONU ONLEMEK AMACIYLA FLUID FLIM (yada VCI 705) UYGULANACAK.

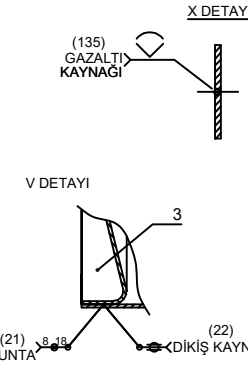
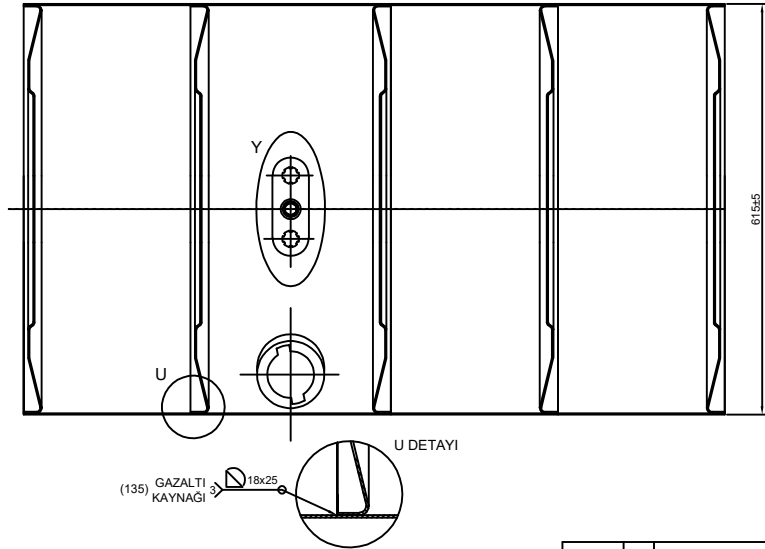
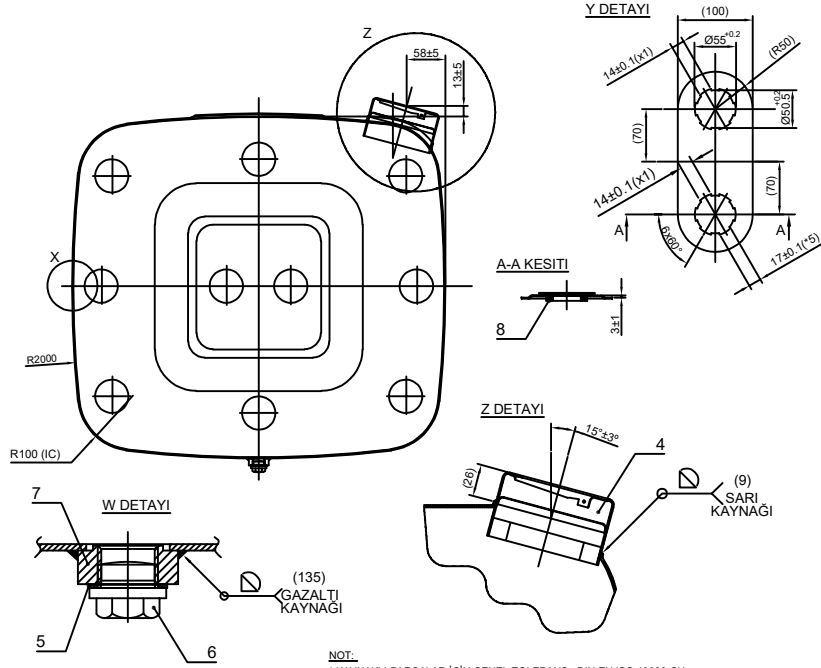
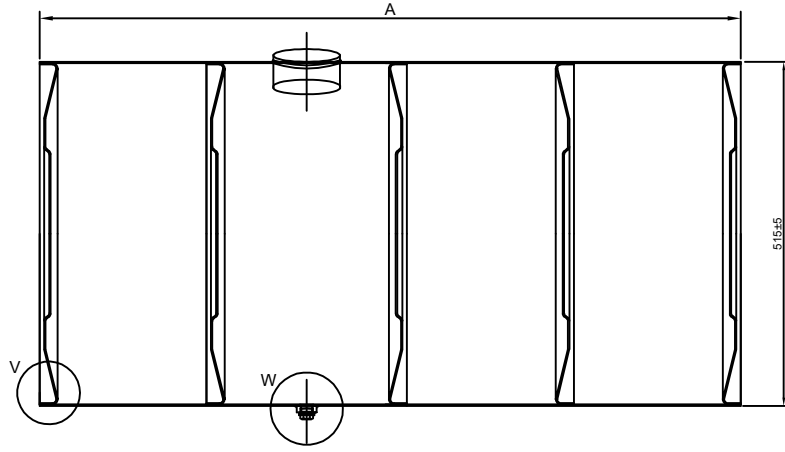
8	SAMANDIRA KORUYUCU LASTİK TAHA	SA0014	1	NITRİL KAUCUK
7	TAHLİYE SOMUNU M18*1.5	SA0008	1	St 37
6	TAHLİYE CIVATASI	SA0006	1	Ç 1050
5	M18X1.5 BAKIR PUL	SA0005	1	BAKIR MS 1753
4	DOLUM BOGAZI	PR0001	1	
3	KAPAK	PR0009	2	St 1303/DIN 1623 t:1.5mm
2	PERDE	PR0008	3	St 1303/DIN 1623 t:1.5mm
1	GOVDE	PR0007	1	St 1303/DIN 1623 t: 2 mm

Poz	Parça Adı	Parça No	Adet	Resim No	Malzeme	Açıklama	Agirli
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RESİMDEN ÖLÇMEYİNİZ

Malzeme		Belirtilmeyen Toleranslar :DIN 6930m		Açıklamalar	
		Dogrusal Boyutlar :±		REF. : B02125	
		Delik ve konumlar:±			
		Açılal Boyutlar :±			
	Tarih	İsim	İmza		
	03.10.22	S.Y.HACIOĞLU			
	03.10.22	Y.KILIÇ	Ölçek		
	03.10.22	H.YILMAZ			
Parça Adı : B00438 YAKIT TANKI DEPOSU (300 L)				Parça No : MA0034 - KA0002	Adet
Tarih		Rev.		Değişiklik	
Çizen		Kontrol		Onay	
Agirlik :		Dosya No :		Resim No :	

Tarih	Rev.	Değişiklik	Çizen	Kontrol	Onay



- NOT:**
- * KAYNAKLI PARÇALAR İÇİN GENEL TOLERANS : DIN EN ISO 13920-CH
 - * KAYNAK GÖSTERİMİ : DIN EN 22553
 - * KAYNAK KABUL KRİTERLERİ : DIN EN ISO 5817
 - * KAYNAK VE LEHİM YÖNTEMLERİ İÇİN TANITMA SAYISI : DIN EN ISO 4063
 - * KAYNAK KONTROLÜ YAPILACAK.
 - * İÇ TEMİZLİK KONTROLÜ YAPILACAK.
 - * 0.3 Bar İLE TEST EDİLDİĞİNDE DEFORME VE SIZDIRMA OLMAYACAK.
 - * BOYA : 80-100µm (PARLAK SIYAH) İLE BOYANACAKTIR.
 - * () PARANTEZ İÇİNDEKİ ÖLÇÜLER YARDIMCI ÖLÇÜLERDİR.
 - * DEPO İÇ YÜZEYİNE KORÖZYONU ÖNLEMEK AMACIYLA FLUID FLIM (yada VCI 705) UYGULANACAK.

Poz	Parça Adı	Parça No	Adet	Resim No	Malzeme	Açıklama	Ağırlık
8	SAMANDIRA KORUYUCU LASTİK TAHA	SA0014	1		NİTRİL KAUÇUK		
7	TAHLİYE SOMUNU M18*1.5	SA0008	1		St 37		
6	TAHLİYE CIVATASI	SA0008	1		Ç 1050		
5	M18X1.5 BAKIR PUL	SA0005	1		BAKIR MS 1753		
4	DOLU BÖĞAZI	PR0001	1				
3	KAPAK	PR0009	2		St 1303/DIN 1623	t:1.5mm	
2	PERDE	PR0008	3		St 1303/DIN 1623	t:1.5mm	
1	GOVDE	PR0007	1		St 1303/DIN 1623	t:2 mm.	

RESİMDEN ÖLÇMEYİNİZ

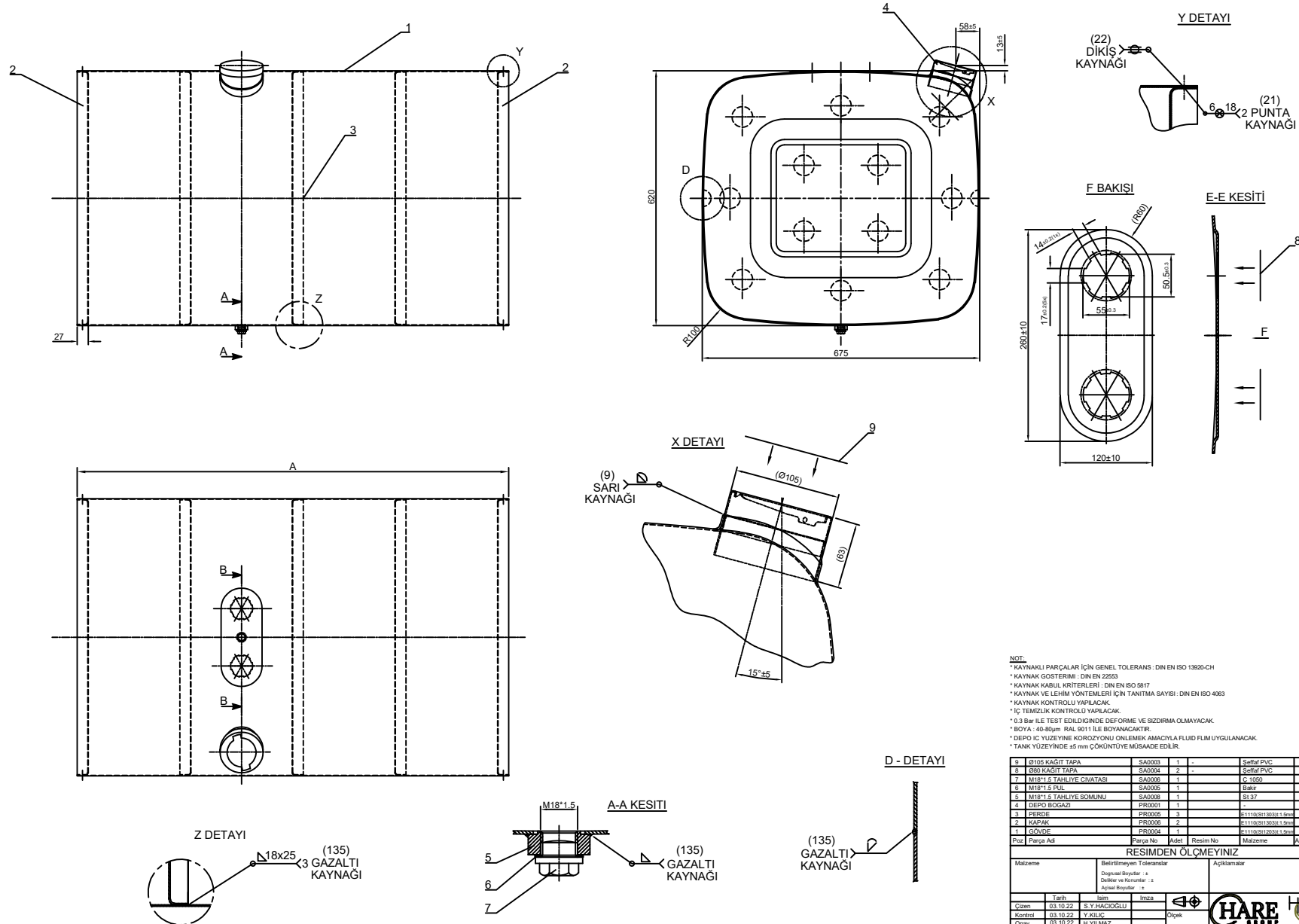
Malzeme		Belirtilmeyen Toleranslar :DIN 6930m		Açıklamalar	
		Doğrusal Boyutlar :±		REF. : B02125	
		Delik ve konumlar:±			
		Açısal Boyutlar : ±			
Cizen	Tarih	İsim	İmza		
Kontrol	03.10.22	S.Y.HACIOĞLU			
Onay	03.10.22	H.YILMAZ			
Parça Adı : B00438 YAKIT TANKI DEPOSU (300 L)				Parça No : MA0034 - KA0002	Adet :
Ağırlık :				Dosya No :	Resim No :

Tarih	Rev.	Değişiklik	Çizen	Kontrol	Onay

FMU-022 Rev. A

MAN ÇELİK DEPO

HRT KOD	UZUNLUK A	HACİM
MA0035	800	230



NOT:

* KARKANLI PARÇALAR İÇİN GENEL TOLERANS : DIN EN ISO 13020-CH

* KAYNAK GÖSTERİMİ : DIN EN 22553

* KAYNAK KABUL KRİTERLERİ : DIN EN ISO 5817

* KAYNAK VE LEHİM YÖNTEMLERİ İÇİN TANITMA SAYISI : DIN EN ISO 4003

* KAYNAK KONTROLÜ YAPILACAK.

* İÇ TEMİZLİK KONTROLÜ YAPILACAK.

* 0.3 Bar İLE TEST EDİLDİĞİNDE DEFORME VE SIZDIRMA OLMAYACAK.

* BOYA : 40-80µm RAL 9011 İLE BOYANACAKTIR.

* DEPO İÇ YÜZEYİNE KORROZYONLU ONLEMEK AMACIYLA FLUID FLUİM UYGULANACAK.

* TANK YÜZEYİNDE ±5 mm ÇOKÜNTÜYE MÜSAADE EDİLİR.

Parça No	Adet	Resim No	Malzeme	Açıklama
9	1	SA0003	Sarı PVC	Sarı PVC
8	2	SA0004	Sarı PVC	Sarı PVC
7	1	SA0005	C 1050	C 1050
6	1	SA0005	Bakır	Bakır
5	1	SA0005	Si 07	Si 07
4	1	PRO001		
3	3	PRO005	E1110/811/3030:1.50µm	
2	2	PRO006	E1110/811/3030:1.50µm	
1	1	PRO004	E1110/811/3030:1.50µm	

RESİMDEN ÖLÇMEYİNİZ

Malzeme	Belirtilmeyen Toleranslar	Açıklamalar
	Değişik Boyutlar : ±	
	Değişik ve Konular : ±	
	Açıklı Boyutlar : ±	

Tarih	İşin	İmza	Ölçek	HARE	HRT
03.10.22	S.Y. HACIKOĞLU				
03.10.22	Y.KILIÇ				
03.10.22	H.YILMAZ				

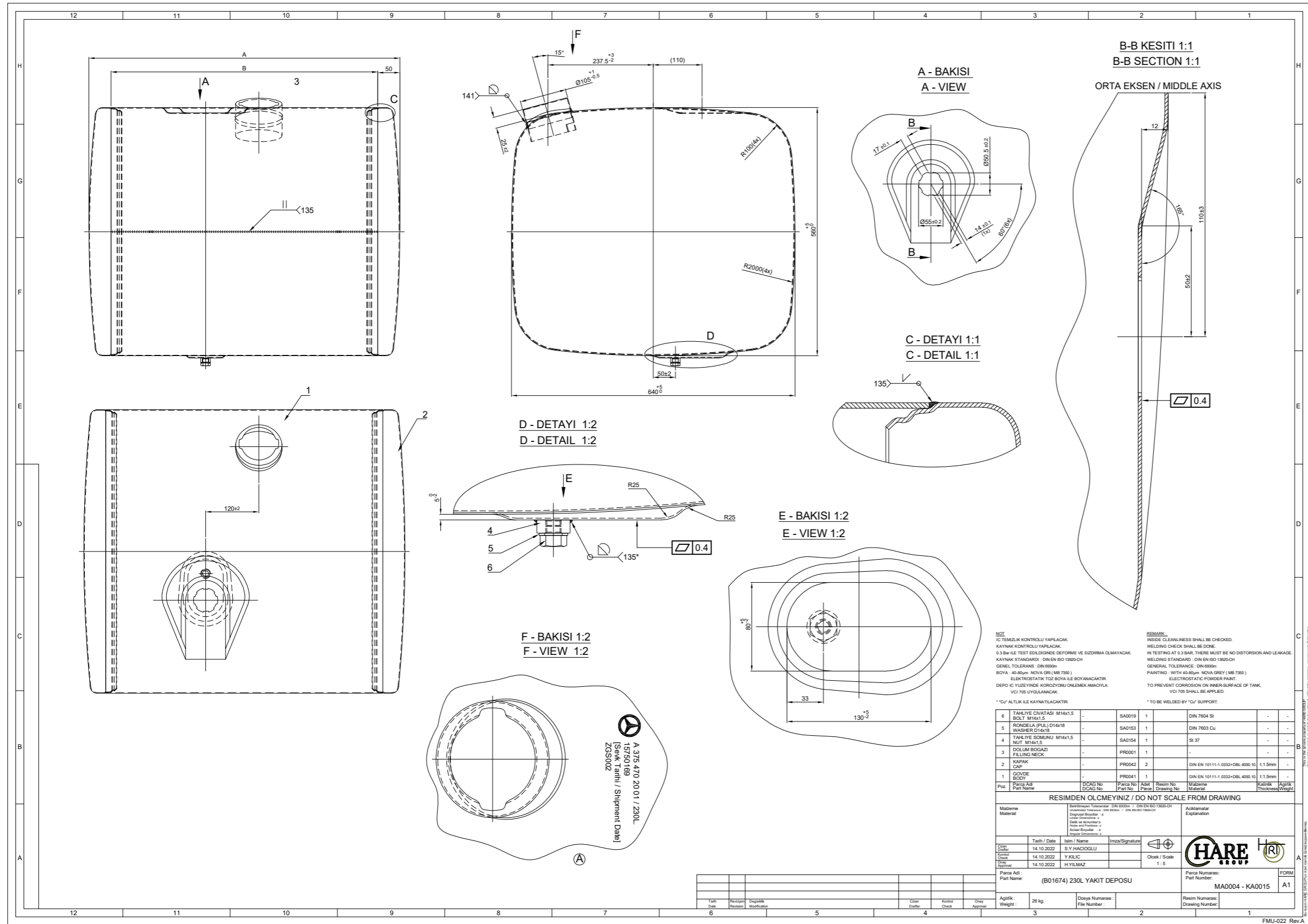
Parça Adı: MAN ÇELİK DEPO

Ağırlık: Dosya No: Resim No: 1

MAN ÇELİK DEPO		
HRT KOD	UZUNLUK A	HACİM
MA0030	1335	600
MA0032	585	220
MA0033	800	300

Tarih	Rev.	Değişiklik	Çizen	Kontrol	Onay

FMU022-Rev.A



MERSEDES ÇELİK DEPO			
HRT KOD	UZUNLUK A	GÖVDE B	HACİM
MA0005	700	601.5	300



SAFETY DATA SHEET

Revision Date 04/01/2016

1. IDENTIFICATION

Product Identifier

Product Name Fluid Film® Liquid A
Product Type Liquid, Corrosion inhibitor

Recommended use of the chemical and restrictions on use

Recommended Use Corrosion inhibitor, lubricant

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Name Eureka Chemical Company
Supplier Address 234 Lawrence Ave
 South San Francisco, CA 94080
 US
Supplier Phone Number Phone: 650-761-3536
 Fax: 650-589-1943
 Contact Phone: 650-761-3536
Supplier Email info@fluid-film.com

Emergency telephone number Chemtrec (800) 424-9300

2. HAZARDS IDENTIFICATION

Classification

Not classified as hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

GHS Label elements, including precautionary statements

None.

Emergency Overview

Signal word	None
Hazard Statements	None
Appearance Amber	Physical State Liquid Odor Mild piney odor

Precautionary Statements - Prevention

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage

No special requirements. Keep container tightly closed.

Precautionary Statements - Disposal

Product should be disposed of via authorized waste disposal contractors in accordance with all local and national regulations.

Hazards not otherwise classified (HNOC)

Not applicable.

Unknown Toxicity

No information available.

Other information

No information available.

Interactions with Other Chemicals

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
Refined petroleum oil, hydrotreated light naphthenic	64742-53-6	50-90	*
Calcium petroleum sulfonate	61789-86-4	1-10	*
Refined petroleum oil, hydrotreated heavy paraffinic	64742-54-7	1-10	*

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

First aid measures**General Advice**

Immediate medical attention is required.

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes, also under the eyelids. If symptoms persist, call a physician.

Skin Contact

Wipe excess material from the skin with a cloth, followed by washing with soap and water. A waterless skin cleanser is beneficial in removing the material from the skin. In the case of skin irritation or allergic reactions, see a physician.

Inhalation

If respiratory symptoms develop, remove to fresh air. If symptoms persist, call a physician.

Ingestion

Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects No information available.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

CO₂, Dry Chemical, Foam

Unsuitable Extinguishing Media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

No information available.

Uniform Fire Code

Combustible Liquid: III-B

Hazardous Combustion Products

Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge No.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions

Avoid contact with eyes.

Other Information

Refer to protective measures listed in Sections 7 and 8.

Environmental Precautions

Environmental Precautions

Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Storage

Keep container tightly closed.

Incompatible Products

None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Refined petroleum oil, hydrotreated light naphthenic 64742-53-6	TWA: 5 mg/m ³ , as oil mist, mineral STEL: TWA: 10 mg/m ³ , as oil mist, mineral	TWA: 5 mg/m ³ , as oil mist, mineral	
Refined petroleum oil, hydrotreated heavy paraffinic 64742-54-7	TWA: 5 mg/m ³ , as oil mist, mineral STEL: TWA: 10 mg/m ³ , as oil mist, mineral	TWA: 5 mg/m ³ , as oil mist, mineral	

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992)

Appropriate engineering controls

Engineering Measures

Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection

No special protective equipment required. Use chemical eye goggles in tanks and confined spaces.

Skin and Body Protection

Wear protective gloves and protective clothing.

Respiratory Protection

No protective equipment is needed under normal use conditions. Use approved respirator with organic vapor cartridges in tanks and confined spaces. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Liquid	Odor	Mild piney odor
Appearance	Amber liquid	Odor Threshold	No information available
Color	Amber		
<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>	
pH	10.3	None known	
Melting / freezing point	No data available	None known	
Boiling point / boiling range	No data available	None known	
Flash Point	157 C / 315 F	None known	
Evaporation Rate	No data available	None known	
Flammability (solid, gas)	No data available	None known	
Flammability Limit in Air			
Upper flammability limit	No data available		
Lower flammability limit	No data available		

Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	0.908	None known
Water Solubility	Insoluble in water	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available	None known
Oxidizing Properties	No data available	

Other Information

Softening Point	No data available
VOC Content (%)	< 1% (CARB 310)
Particle Size	No data available
Particle Size Distribution	

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

None known based on information supplied.

Incompatible materials

None known based on information supplied.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	Product does not present an acute toxicity hazard based on known or supplied information.
Inhalation	Specific test data for the substance or mixture is not available.
Eye Contact	Minimally irritating.
Skin Contact	Prolonged skin contact could cause skin irritation.
Ingestion	> 14,000 mg/kg

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Calcium petroleum sulfonate 61789-86-4	> 5000 mg/kg (Rat)	> 4000 mg/kg (Rabbit)	-

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity Contains no known carcinogens.

Reproductive Toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Chronic Toxicity No information available.

Target Organ Effects No information available.

Aspiration Hazard No information available.

Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

Not applicable

12. ECOLOGICAL INFORMATION

Ecotoxicity

No information available.

Persistence and Degradability

No information available.

Bioaccumulation

No information available

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods Product should be disposed of via authorized waste disposal contractors in accordance with all local and national regulations. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging Dispose of contents/containers in accordance with local regulations.

California Hazardous Waste Codes Not applicable.

14. TRANSPORT INFORMATION

<u>DOT</u>	NOT REGULATED
Proper Shipping Name	NON REGULATED
Hazard Class	N/A
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>IATA</u>	Not regulated
Proper Shipping Name	NON REGULATED
Hazard Class	N/A
<u>IMDG/IMO</u>	Not regulated
Hazard Class	N/A
<u>RID</u>	Not regulated
<u>ADR</u>	Not regulated
<u>ADN</u>	Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

SARA 302 Extremely Hazardous Substances (TPQ) None

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

VOC Regulations

This product complies with the consumer product VOC limits of CARB, the US EPA and states adopting the OTC VOC rules.

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

International Regulations**Canada****WHMIS Hazard Class**

Not applicable.

16. OTHER INFORMATION

NFPA	Health Hazards	1	Flammability	1	Instability	0	Physical and Chemical Hazards	-
HMIS	Health Hazards	1	Flammability	1	Physical Hazard	0	Personal Protection	X

Chronic Hazard Star Legend * = Chronic Health Hazard

Prepared By Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

Revision Date 04/01/2016

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



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End of Safety Data Sheet



TECHNICAL DATA SHEET

FLUID FILM Liquid A

Replaces data sheet 210

08/1996

1. Description

One component oily liquid, solvent-free, lanolin based soft coating.

2. Color

Amber.

3. General usage

This non oxidizing rust retarding compound formulated as a liquid is used to form protective films in ballast tanks on ships, drilling platforms, dry docks, barges, rudder interiors, chain lockers, and any metal surface subjected to severe salt water corrosion and to corrosive marine atmospheres.

FLUID FILM Liquid A is easily applied by spray or floatation methods. It forms with water or air humidity a gel which adheres to metal surfaces and is not subject to discharge overboard during deballasting.

FLUID FILM Liquid A is also used as a penetrant and lubricant. It may be used to help descale tanks with heavy scale.

4. Principal characteristics

- contains highly polar lanolin and water displacing additives, which deposit the product below water films on the metal surfaces. This is essential for proper penetration and adhesion of the protective coating being applied;
- does not contain solvents, non toxic during application;
- requires minimum surface preparation;
- penetrates existing rust, displaces water, forms with water and/or air humidity a gel;
- adheres to and gives full protection to wet or dry surfaces;
- does not dry out, harden or crack;
- resists water washing yet can easily be removed when required;
- can be applied by air and airless spraying, brush, roller and floatation.

FLUID FILM Liquid A meets and surpasses the requirements of the United States Military Specification MIL-C-16173.

5. Technical data

Specific Gravity at 25 °C	0,905 - 0,915
Solid content	100 % (non volatile content)
Spreading rate for spray application	1 liter per 6 m ²
for float application	1 liter per 2 m ²
Water resistant	immediately after application
Flash point	
ASTM-D92 (Cleveland Open Cup)	> 157 °C (450 K)
Viscosity Ford Cup No. 4	30 to 45 sec. at 21 °C
Specific conductivity	<10 ⁻⁹ mho/cm at 1 Mhz

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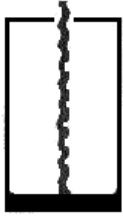
Telefax
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E-mail
info@hodt.de



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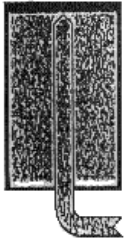
	<p>Effect on rubber (ASTM-D471 at 158 °F, 70 hours)</p> <p>Toxicity (Tests performed by outside laboratory using standard methods)</p> <p>None on neoprene, buna-n and most synthetics. Some swelling on natural rubber</p> <p>Oral : LD₅₀ greater than 3 g/kg. Skin irritation : non-irritating response Albino rabbits - 24 hrs contact of FLUID FILM on intact and abraded skin. Eye irritation : very slight response</p>
6. Package	<p>3,79 l can (1 US gallon)</p> <p>20 ltr pail non returnable</p> <p>208 ltr drum (55 US gallons)</p>
7. Shelflife/Stability	<p>Indefinite. Will not change in original closed cans, pails and drums.</p>
8. Storage & Transport	<p>IMCO / UN / ADR / RID / RAR - not listed</p>
9. Approvals	<p>American Bureau of Shipping</p>
10. Instructions for use	<p><u>Spray application</u></p> <p>Before FLUID FILM Liquid A rust preventing coating is applied, the tank should be free of water accumulations. Though FLUID FILM will displace moisture, the product will remain afloat, if there are pools along the tank bottom. FLUID FILM Liquid A can be sprayed on with ordinary liquid spraying equipment (air or airless). Do not use solvents or thinners. The product will not clog lines or nozzles. Estimate 1 l of FLUID FILM Liquid A for 6-10 m² depending on the surface roughness. Use a single coat double pass spraying technique providing a uniform thickness. Actual area to be covered should be carefully calculated keeping in mind internal structures may increase actual boundary surface area of tank up to 4 to 5 times.</p> <p>It is important when using FLUID FILM Liquid A for ballast water tank coating, especially when used by spray method, that regular and correct retreatment programs are set up in cooperation with manufacturers' local representative.</p> <p>When a thicker coat and therefore a longer life expectancy are desired, FLUID FILM Liquid AR, a semi-liquid, can be applied at 400-800 µm by spray method (see data sheet for FLUID FILM Liquid AR).</p> <p><u>Floatation Application</u></p> <p>FLUID FILM Liquid A is offered with complete confidence as a high grade, easy to apply, economical floatation coating for long term protection of ballast water tanks. The floatation method of protecting tanks requires additional material when compared with the spray application method, because sufficient material is necessary in order to form a uniform layer of FLUID FILM on the water surface to assure that the coating is in contact with all of the stiffeners, framing, longitudinals, reinforcing members and bulkheads.</p>



1. Introduction



2. Ballasting



3. Floating



4. Deballasting



5. Fully coated surfaces

Actual floatation coating instructions are as follows :

- a. Remove loose scale by high pressure hose, machine washing, or other means.
- b. Muck and hose tank to remove rust, silt and other sediment. This will make more product available for protection of tank surfaces.
- c. To get proper dosage for floatation method use same dosage calculation as for spray method. To this dosage add enough additional **FLUID FILM Liquid A** to give a 10 mm (3/8") floating layer (10 l/m² or 20 gal/1 square foot) across the top of the water surface of the tank.
- d. Hose about 10 % of the required quantity of **FLUID FILM** into bottom of the tank, making sure that the product is distributed into all compartments of the tank.
- e. Fill the tank slowly with ballast water up to the suction bell.
- f. Add remainder of **FLUID FILM Liquid A** to tank. The product can be fed through a vent or sound pipe or manhole. Let the **FLUID FILM Liquid A** level itself or hose or pour in large tanks the product into all compartments.
- g. Start adding ballast water at a rate to raise the water level by no more than 15 cm (6") per minute.
Do not allow FLUID FILM Liquid A to sit in a damp tank for a long period of time before starting placement procedure.
 If turbulence occurs, filling rate should be slowed down until turbulence stops and product layer reforms. If tank construction has lightening holes, care should be taken to allow the **FLUID FILM Liquid A** to spread evenly, holding the water level at a depth in the tank to allow this distribution.
- h. Ensure the vessel is trimmed in such a manner that air venting is at the highest part of the tank, reducing possibilities of air locks when pressing up tanks.
- i. Press the tank up without overflowing and allow to stand for at least **ONE HOUR**. This will give the overhead good protection and make **FLUID FILM Liquid A** react with water to form a gel. Once the coating has stiffened after a time of water contact, start deballasting again as slowly as possible. Make sure deballasting is stopped short of suction bell to prevent any of the product from going overboard.
- j. Repeat the cycle g, h, and i at least **3 times** to ensure all **FLUID FILM Liquid A** is used up.
- k. Tank should be carefully inspected to ensure all parts of the surface have been treated. Any areas which may have been missed due to air pockets or turbulence can be covered by direct application e.g. brush, roller or spray.

After some contact with **FLUID FILM Liquid A** it is not unusual that any remaining rust and scale that was not removed by initial hose down with water, falls down into the tank bottom. The reason for this is that **FLUID FILM Liquid A** penetrates such residues of rust and scale and loosens them from the tank surfaces whereafter they fall down requiring **FLUID FILM Liquid A** to be touched up on those surfaces.

Floating Application of Peaks, Deep and Side Tanks

While the spraying technique is relatively straight forward, the floating process can take several forms. One procedure, which has been found to be most successful for peaks, involves as usual the removing of all loose scale and mud lying on the tank bottom or shelf areas before filling the tank to a level just below the overhead frame work (about 90 % of the tank capacity). Approximately 75 % of the total calculated coating quantity is added to the surface of the water. Once **FLUID FILM Liquid A** has formed a continuous layer, the water level is gradually dropped at a rate of 4 centimeters per minute until the tank is 25 % full. At this point, the tank is slowly refilled to the original level and the remaining 25 % of the calculated coating quantity is added to the water surface. The tank is then pressed up so as to coat the tank top and overhead areas after which the water level is again gradually lowered. This will give an additional opportunity for the FLUID FILM to cover all tank areas.

In all float coating applications, deballasting is stopped just above the tank bottom if only one tank is to be coated. The purpose for this procedure is to prevent any ballast water and liquid coating from getting overboard. However, once the FLUID FILM coating has gelled and surplus of the unused coating become integrated into the coating by rolling action of the ship, there is no danger of discharging polluted ballast water.

11. Airless spraying equipment

Applied by :	Amount of coats	Average film thickness in μm *)	Theoretical consumption in l/m^2	Theoretical spreading rate in m^2/l	Nozzle	
					\varnothing mm	Mpa
Brush	1	80	0,08	12	-	-
Roller	1	80	0,08	12	-	-
Airspray	1	170	0,17	6	0,8	0,4
Airless	1	170	0,17	6	0,63	14
Floatation	-	500 - 1500	0,5 - 1,5	2 - 0,7	-	-

The durability of a coating system depends among other things on the film thickness. The film thickness should be selected according to the roughness of the steel surface, required durability and the corrosive environment. The choice of application method whereas will depend on the specific job to be done. In void spaces airless spray is normally the only possible method. In water ballast tanks spraying is also the preferable method as it allows better control over the application. Floatation is primarily recommended for ballast tanks with difficult access and when the cost of surface preparation and application is the major consideration.

*) The film thickness is indicated for rusted steel.

12. Recommended substrate condition

Ideally the steel surface should be free of loose rust and loose paint, and as dry as possible, before applying **FLUID FILM Liquid A**.

The preferred surface preparation is high-pressure water washing followed by hand scraping to remove any remaining rust scale. The tank should then be ventilated to make the surface as dry as practically possible.

However, as **FLUID FILM Liquid A** will displace water and gradually penetrate into the rust the coating itself can be used as a "rust descaler". The first application of **FLUID FILM Liquid A** will make much of the rust scale fall off during the first few months after the application. The tank should then be mucked out and cleaned and a new coat of **FLUID FILM Liquid A** applied.

13. Safety precautions

- a. While **FLUID FILM Liquid A** is not a toxic material and does not contain solvents the spraymist is not harmless. When spraying use suitable gloves and dust respirators. (Safety Rules for Spraying **P.P.A. Code : 0 - 1, Safety Phrases - S 37/39**).
- b. Ventilation should be provided in confined spaces to remove the spraymist and vapor-proof lighting should be used during the application.
- c. **Before starting hot work (burning, welding etc.) on a FLUID FILM Liquid A coating thicker than 100 µm**, the coating material should be wiped back a distance of 1,5 m from where hot work is to be performed and from the deck area beneath the hot work.

The information and recommendations herein are believed to be accurate and reliable. However, since conditions of actual use are beyond our control, any recommendations or suggestions are made without warranty expressed or implied.



BOYAHANE KONTROL FORMU



Rapor No:HR0240-23

Üretim Başlangıç Saati : 9:30

Tarih: 20.01.2023

YÜZEY İŞLEMLER

Kontrol Saati	Plaforizasyon		İLAVELER	KURUTMA FIRIN SICAKLIĞI
	Basınç(bar)	Konvyör Hızı (mt)	NANOTECH CS ONE	170-185 C
	min0,3-max0,5bar	1,7-1,9 mt.		
13:00	0,35	1,8	4 KG	175

BOYAHANE

Kontrol Saati	Boya Ral No	Boya LotNo	Tabancalar	Fırın	Fiziksel Testler				
			Basınç (Bar)	Sıcaklık (C°)	Boya Kalınlığı (µ)		Bükme Testi	Çizgi Testi	Görünüm
			3-6	175-200	Minimum	Maximum	DIN 53152	DIN 53151	Gözle
14:30	5010		3	180	90	150			OK

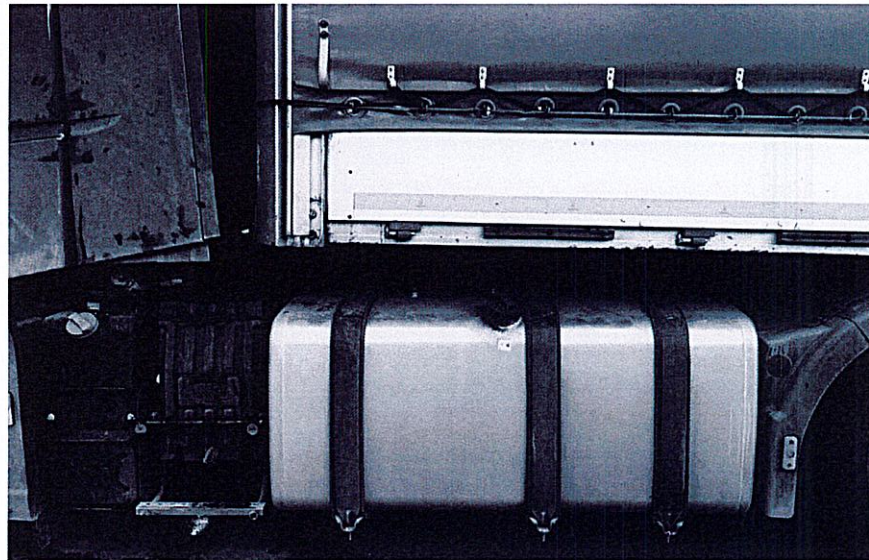
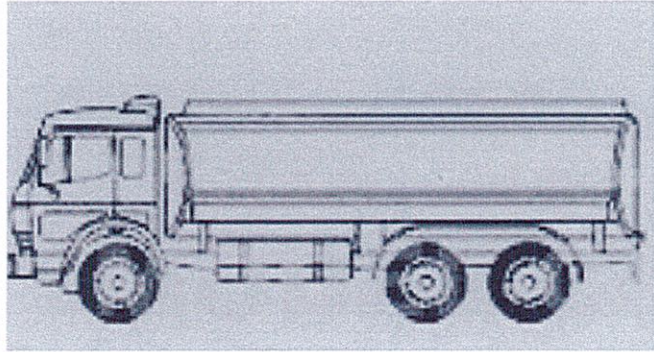
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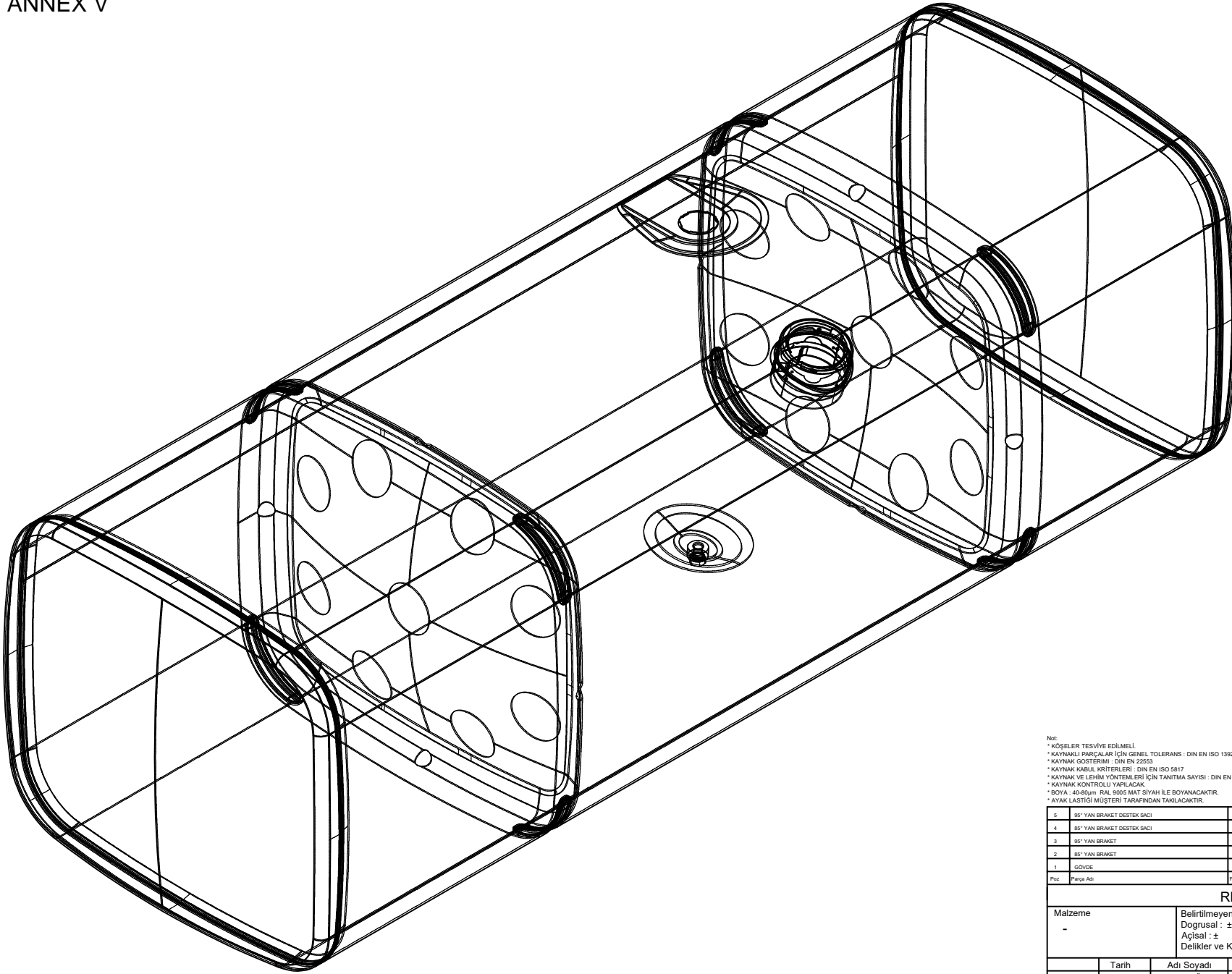
KONTROL EDEN

ONAYLAYAN

YUNUS EMRE HAFIZOĞLU

YASEMİN GERDAN





- Not:
- * KÖŞELER TESVİYE EDİLMELİ.
 - * KAYNAKLI PARÇALAR İÇİN GENEL TOLERANS : DIN EN ISO 13920-CH
 - * KAYNAK GÖSTERİMİ : DIN EN 22553
 - * KAYNAK KABUL KRİTERLERİ : DIN EN ISO 5817
 - * KAYNAK VE LEHİM YÖNTEMLERİ İÇİN TANITMA SAYISI : DIN EN ISO 4063
 - * KAYNAK KONTROLÜ YAPILACAK.
 - * BOYA : 40x60µm RAL 9005 MAT SİYAH İLE BOYANACAKTIR.
 - * AYAK LASTİĞİ MÜŞTERİ TARAFINDAN TAKILACAKTIR.

S	Parça Adı	Parça No	Adet	Resim No	Malzeme	Açıklama	Ağırlık
5	85° YAN BRAKET DİŞTEK SACI	PRD174	1 Ad.	-	ERD4244 - 6 mm	-	-
4	85° YAN BRAKET DİŞTEK SACI	PRD175	1 Ad.	-	ERD4244 - 6 mm	-	-
3	85° YAN BRAKET	PRD172	1 Ad.	-	ERD4244 - 6 mm	-	-
2	85° YAN BRAKET	PRD173	1 Ad.	-	ERD4244 - 6 mm	-	-
1	GÖVDE	PRD171	1 Ad.	-	ERD4244 - 6 mm	-	-

Priz Parça Adı Parça No Adet Resim No Malzeme Açıklama Ağırlık

RESİMDEN ÖLÇMEYİNİZ

Malzeme	Belirtilmeyen Toleranslar :DIN 6930m		Açıklamalar :	
-	Dogrusal : ±		-	
	Açısal : ±			
	Delikler ve Konumları : ±			
Cizzen	Tarih	Adı Soyadı	İmza	
Kontrol	-	S.HACIOĞLU	Ölçek:	
Onay	-	H. YILMAZ	1/1	
Parça Adı :	-		Parça No:	
Ağırlık : -				Dosya No: -
Resim No: -				



-	-	-	-	-
Tarih	Rev.	Değişiklik	Çizen	Kontrol
				Onay



OPERASYON KARTI

OPR.YERI : ALÜMİNYUM
MONTAJ HATTI

OPR.KART NO:120

Rev.No: 0

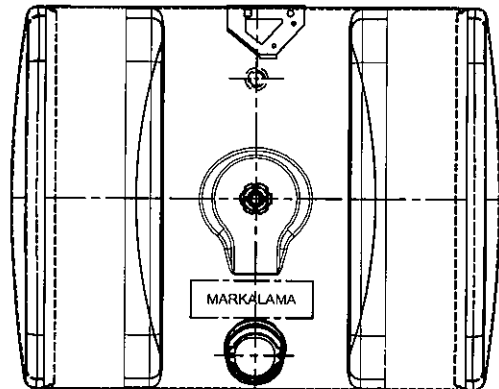
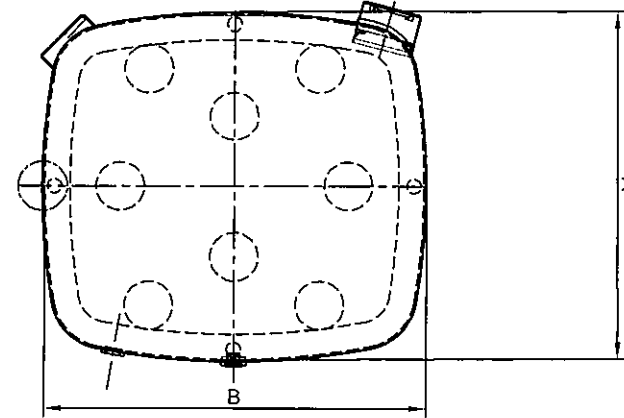
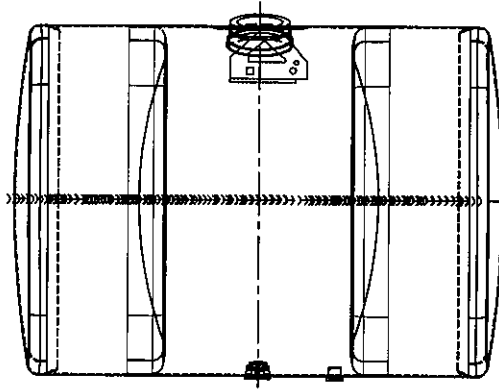
	İsim	Tarih	İmza	Parça Adı :	FUEL TANK	Dagitim No :	
Çizen	S.Y.HACIOĞLU	14.10.22		Parça Kodu :	----	Tezgha Adı :	MRKL01
Kontrol	Y.KILIC	14.10.22		Operasyon Adı :	LOCATION OF ECE APPROVAL MARK	Kalip No :	-
Onay	H.YILMAZ	14.10.22				Fiktür No :	-

Verilmeyen Toleranslar : DIN 6930m

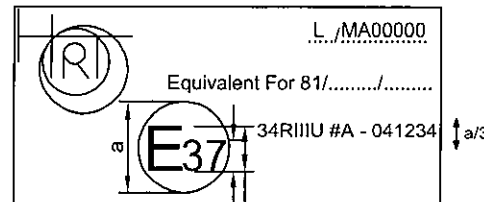
Dogrusal : ±

Açısal : ±

Delikler ve Konumları : ±



ETİKET / LABEL	A	B	TYPE (MATERIAL)
FUEL TANK / L	560	620	ALÜ
.....	620	675	ALÜ
(Sevk Tarihi / Shipment Date)	700	700	ALÜ
	690	710	ALÜ
	670,4	700,4	ALÜ
	515	615	STEEL
	620	675	STEEL

MIN 75X35 mm
a=8 mm min

NOTE:IT IS MARKED TO ALL FUEL TANKS AT THIS POSITION

Onay

Kontrol

Çizen

Değişiklik

Modif

Tarih