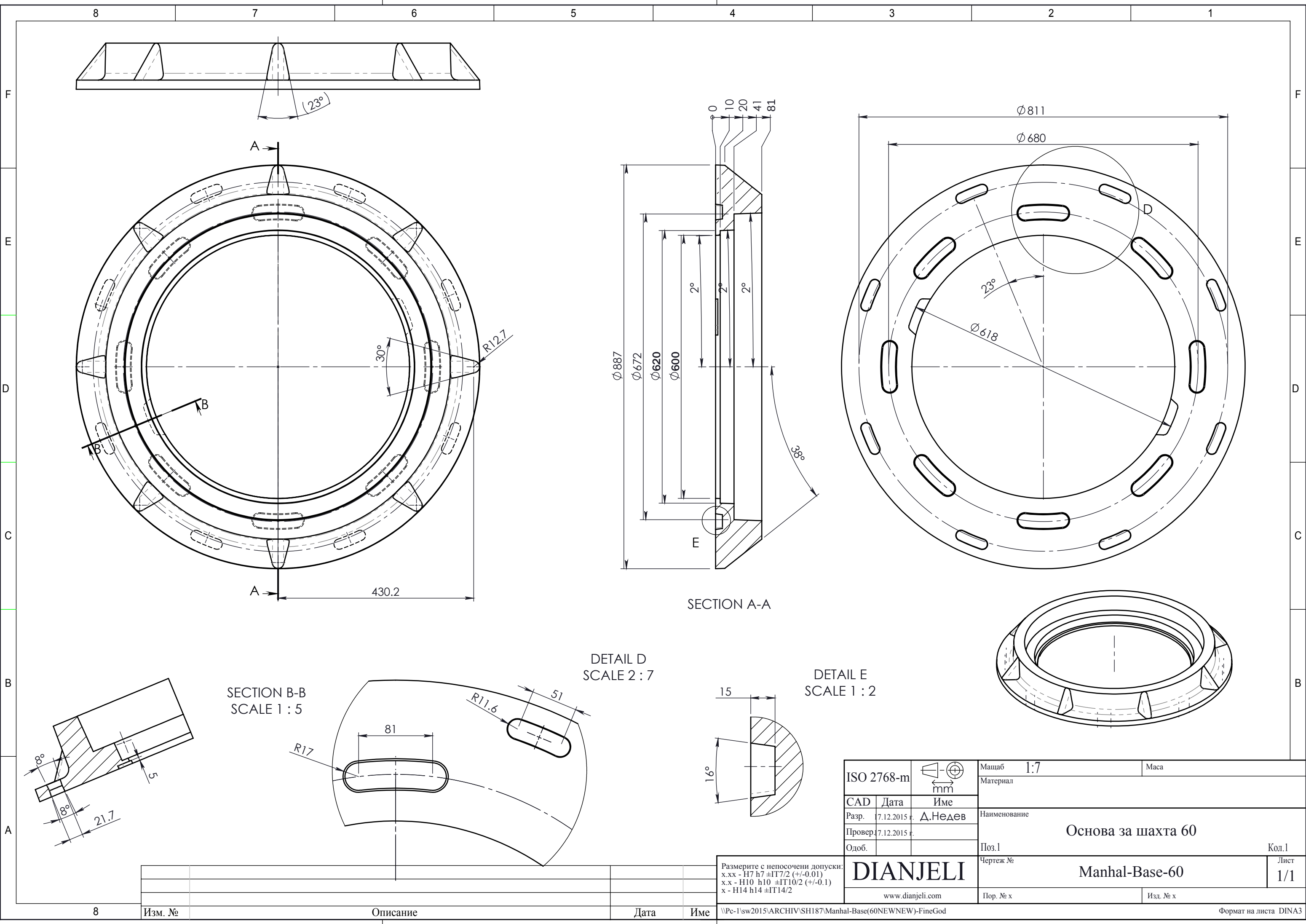
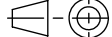
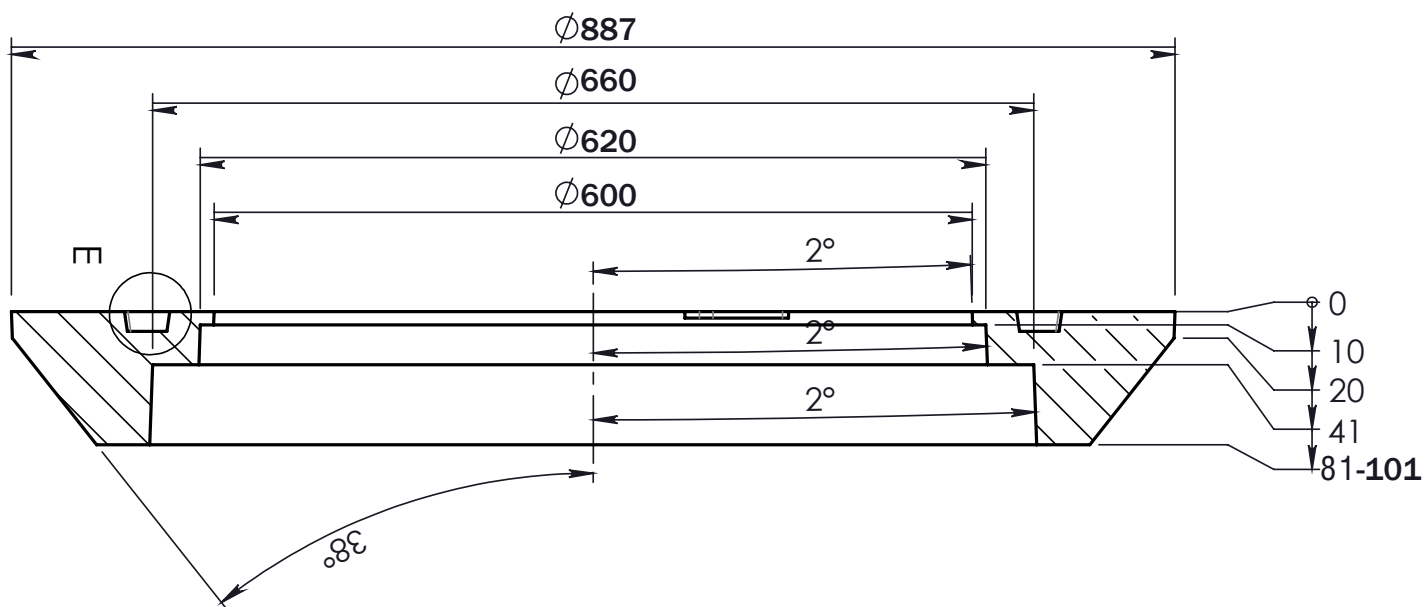


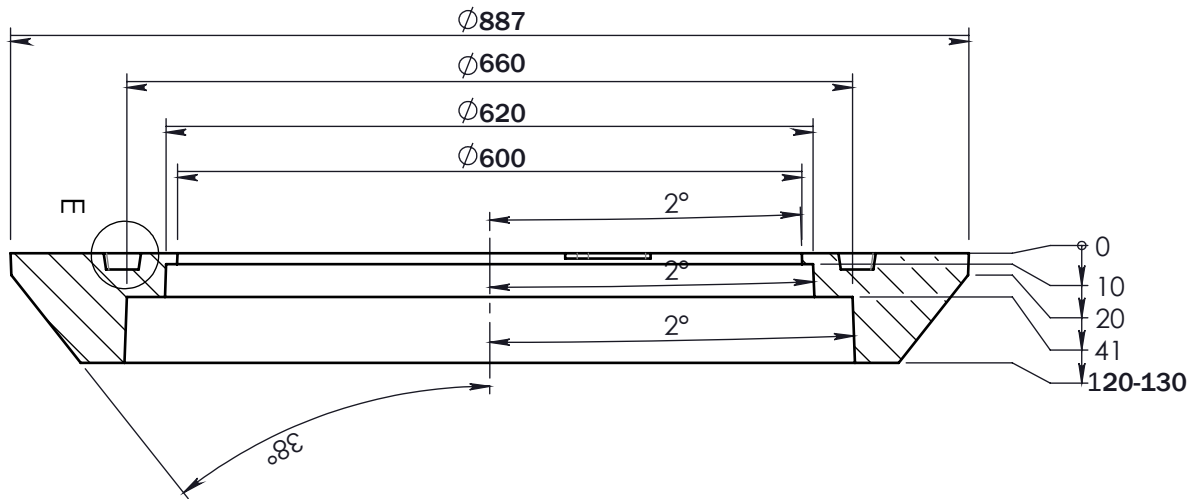


Изм. №	Описание	Дата	Име
8			

Размерите с непосредни допуски:
x.xx - H7 h7 $\pm$ IT7/2 (+/-0.01)
x.x - H10 h10 $\pm$ IT10/2 (+/-0.1)
x - H14 h14 $\pm$ IT14/2

ISO 2768-m				Мащаб	1:7	Маса
CAD		Дата		Материал		
Разр.		7.12.2015 г.		Наименование		
Провер.		7.12.2015 г.		Основа за шахта 60		
Одоб.				Поз.1		Кол.1
DIANJELI				Чертеж №		Лист
				Manhal-Base-60		1/1
www.dianjeli.com				Пор. № x		Изд. № x







[Traducere din limba bulgara]

1618 Sofia, Bd. "N. Petkov" nr. 86
Tel.: (02) 855 50 57; fax: (02) 955 96 38

CENTRUL DE TESTARE IN DOMENIUL CONSTRUCTIILOR pe langa INSTITUTUL DE CERCETARI STIINTIFICE IN CONSTRUCTII LTD

ACREDITAT CONFORM STANDARDULUI DE STAT DIN BULGARIA EN ISO/IEC 17025:2006

Certificat, nr. de inreg. № 88 JIH/01.10.2014,

emis de Agentia executiva Biroul de acreditare din Bulgaria, cu valabilitate pana la data de 01.10.2018

Laboratorul: "Beton si armatura, materiale de constructii si produse "

PROTOCOL DE TESTARE

№ 29-1-28/21.01.2016

Denumirea produsului: Acoperiri pentru bazine de apa si guri de vizitare - capace rotunde cu rama si cu inchiderea din polimercompozit cu dimensiuni nominale ale orificiului lumin Ø 600 mm , clasa D 400

Producator: "Reco Production" SRL

Beneficiar: "Reco Production" SRL

Orasul Novi Iskar, str. Ravnets nr. 27

cerere din 06.01.2016

Probele sunt luate si prezentate de catre Beneficiar.

Metode de testare:

Standardul de Stat din Bulgaria EN 124-1:2015 „Acoperiri pentru bazine de apa si guri de vizitare pentru zone carosabile si pietonale. Partea 1: Definitii, clasificare, principii generale de proiectare, exigente fata de indicatorii de exploatare si metode de testare”

Standardul de Stat din Bulgaria EN 124-1:2015 „Acoperiri pentru bazine de apa si guri de vizitare pentru zone carosabile si pietonale. Partea 5: Acoperiri pentru bazine de apa si guri de vizitare confectionate din compozite”

Data de primire a probelor in Centrul de testare in constructii (CTC): nr. de intrare № 29/06.01.2016

Cantitatea probelor testate: 1 bucata complet cu rama.

Perioada de efectuare a testarii: 11.01.2016 r. – 15.01.2016 r.

Director CTC:

/Asistent principal ing. Tsv. Giurova/

Rezultatele se refera doar la probele testate. Extrase protocol nu se pot multiplica fara acordul scris al Centrului de testare in constructii - Institutul de cercetari stiintifice in constructii - CTC – ICSC SRL cu asociat unic.

REZULTATELE TESTULUI:

Nr.	Denumirea caracteristicii	Unitate de masura	Metode de testare	Nr. si identificarea probei	Rezultate de la testare	Valoare si toleranta a caracteristicii dupa SSB EN 124-1:2015 si SSB EN 124-5: 2015	Conditii de testare
1	2	3	4	5	6	7	8
1.	Deformare reziduala dupa aplicarea a 2/3 din forta de incarcare la testare ¹⁾	mm	SSB EN 124-1: 2015 SSB EN 124-5: 2015	28	1,4	pentru clasa D 400: ≤ 2,0 ²⁾	standard
2.	Incarcare de sarcina la testare: - cu o forta de 400 kN timp de 30 s - forta de distrugere	-		28	Rezista la sarcina fara deschiderea unor fisuri	Nu se permite deschiderea unor fisuri	
		kN		28	426	pentru clasa D 400: ≥ 400	

Note:

1) 2/3 от 15 kN = 10 kN

2) Deformarea reziduala admisibila este egala cu orificiul luminat (CO)/100.

Sef laborator:

/asistent principal ing. E. Penev/

Director CTC:

/asistent principal ing. Tsv. Giurova/

A efectuat testul: tehnician Y.Yordanov

Daca este necesar, protocolul de testare poate sa includa pareri si interpretari cu privira la anumite testari (**concluzii nu se permit**) numai in conformitate cu cerintele de la p.5 din SSB EN ISO/IEC 17025:2006.

Protocol Nr. 24-1-23/21.01.2016



[Traducere din limba bulgara]

1618 Sofia, Bd. "N. Petkov" nr. 86
Tel.: (02) 855 50 57; fax: (02) 955 96 38

CENTRUL DE TESTARE IN DOMENIUL CONSTRUCTIILOR pe langa INSTITUTUL DE CERCETARI STIINTIFICE IN CONSTRUCTII LTD

ACREDITAT CONFORM STANDARDULUI DE STAT DIN BULGARIA EN ISO/IEC 17025:2006

Certificat, nr. de inreg. № 88 JIH/01.10.2014,

emis de Agentia executiva Biroul de acreditare din Bulgaria, cu valabilitate pana la data de 01.10.2018

Laboratorul: "Beton si armatura, materiale de constructii si produse "

PROTOCOL DE TESTARE

№ 73-1-49/25.01.2016

Denumirea produsului: Acoperiri pentru bazine de apa si guri de vizitare - capace rotunde cu rama si cu inchiderea din polimercompozit cu dimensiuni nominale ale orificiului lumin 600 mm, clasa B 125

Producator: "Reco Production" SRL

Beneficiar: "Reco Production" SRL

Orasul Novi Iskar, str. Ravnets nr. 27

cerere din 06.01.2016

Probele sunt luate si prezentate de catre Beneficiar.

Metode de testare:

Standardul de Stat din Bulgaria EN 124-1:2015 „Acoperiri pentru bazine de apa si guri de vizitare pentru zone carosabile si pietonale. Partea 1: Definitii, clasificare, principii generale de proiectare, exigente fata de indicatorii de exploatare si metode de testare”

Standardul de Stat din Bulgaria EN 124-1:2015 „Acoperiri pentru bazine de apa si guri de vizitare pentru zone carosabile si pietonale. Partea 5: Acoperiri pentru bazine de apa si guri de vizitare confectionate din compozite”

Data de primire a probelor in Centrul de testare in constructii (CTC): nr. de intrare № 73/22.01.2016

Cantitatea probelor testate: 1 bucata complet cu rama.

Perioada de efectuare a testarii: 22.01.2016 r. – 25.01.2016 r.

Director CTC:

/Asistent principal ing. Tsv. Giurova/

Rezultatele se refera doar la probele testate. Extrase protocol nu se pot multiplica fara acordul scris al Centrului de testare in constructii - Institutul de cercetari stiintifice in constructii - CTC – ICSC SRL cu asociat unic.

REZULTATELE TESTULUI:

Nr.	Denumirea caracteristicii	Unitate de masura	Metode de testare	Nr. si identificarea probei	Rezultate de la testare	Valoare si toleranta a caracteristicii dupa SSB EN 124-1:2015 si SSB EN 124-5: 2015	Conditii de testare
1	2	3	4	5	6	7	8
1.	Deformare reziduala dupa aplicarea a 2/3 din forta de incarcare la testare ¹⁾	mm	SSB EN 124-1: 2015 SSB EN 124-5: 2015	49	0,9	pentru clasa B 125: ≤ 6,0 ²⁾	standard
2.	Incarcare de sarcina la testare: - cu o forta de 125 kN timp de 30 s - forta de distrugere	-		49	Rezista la sarcina fara deschiderea unor fisuri	Nu se permite deschiderea unor fisuri	
		kN		249	144	pentru clasa B 125: ≥ 125	

Note:

1) 2/3 от 15 kN = 10 kN

2) Deformarea reziduala admisibila este egala cu orificiul luminat (CO)/100.

Sef laborator:

/asistent principal ing. E. Penev/

Director CTC:

/asistent principal ing. Tsv. Giurova/

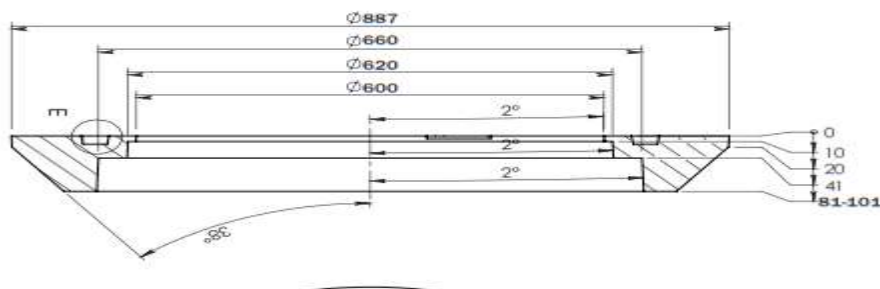
A efectuat testul: tehnician Y.Yordanov

Daca este necesar, protocolul de testare poate sa includa pareri si interpretari cu privira la anumite testari (**concluzii nu se permit**) numai in conformitate cu cerintele de la p.5 din SSB EN ISO/IEC 17025:2006.

Protocol Nr. 24-1-23/21.01.2016

FISA TEHNICA

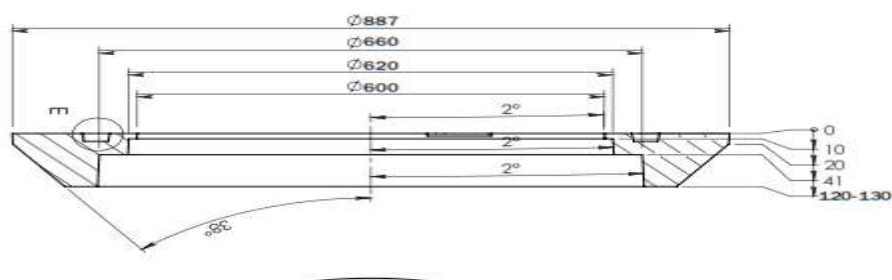
Capac din material polimercomposit
RCFB125-DN540 - DN600



Descriere	
Cod Produs	RCFB125-DN540 - DN600
Tip	Clasa B125 conform EN 124
Producator	RECO PRODUCTION LTD
Dotari	Sistem de inchidere in 2 puncte
	Cu si Fara balama
Material utilizat	Fulgi din Polietilen amestecate cu creda
Greutate	40 kg
Culoare	Gri , Negru
	La cerere se pot fabrica o gama larga e cumori
Atuuri	Material rezistent la zgarieturi si uzura
	Se poate inscripti
	Nevalorificabil la reciclare, face futul inutil
	Produs total reciclabil, ecologic
	Nu absoarbe apa, nu este distrus de la apa precum betonul
	Rezistent la spargere

FISA TEHNICA

Capac din material polimercomposit
RCFD400-DN540 - DN600



Descriere	
Cod Produs	RCFD400-DN540 - DN600
Tip	Clasa D400 conform EN 124
Producator	RECO PRODUCTION LTD
Dotari	Sistem de inchidere in 2 puncte
	Cu si fara balama
Material utilizat	Fulgi din Polietilen amestecate cu creta
Greutate	70 kg
Culoare	Gri , Negru
	La cerere se pot fabrica o gama larga e cumori
Atuuri	Material rezistent la zgarieturi si uzura
	Se poate inscriptiona
	Nevalorificabil la reciclare, face futul inutil
	Produs total reciclabil, ecologic
	Nu absoarbe apa, nu este distrus de la apa precum betonul
	Rezistent la spargere

1618 Sofia 86 "N.Petkov" blvd.,
Tel: (02) 855 50 57; Fax: (02) 955 96 38

TEST CENTER FOR CONSTRUCTION (TCC) as of NISI EOOD

ACCREDITED UNDER BS EN ISO/IEC 17025: 2006
Certificate reg. № 88 ЛН/01.10.2014
issued by EA BAS valid until 01.10.2018

Laboratory: "Concrete and reinforcement, construction materials and products"

TEST REPORT

№ 73-1-49/25.01.2016

Name of product: Gully tops and manhole tops - round sewer grates with frame and locking from polymer composite with nominal dimensions of clear opening 600 mm, class B125

Manufacturer: "RECO PRODUCTION" LTD

Client: "RECO PRODUCTION" LTD
town of Novi Iskar, 27 "Ravnets" str.
application from 22.01.2016
The samples were taken and submitted by the Client.

Test methods:

BDS EN 124-1:2015 "Gully tops and manhole tops for vehicular and pedestrian areas Part 1: Definitions, classification, general principles of design, performance requirements and test methods"

BDS EN 124-5:2015 "Gully tops and manhole tops for vehicular and pedestrian areas Part 5: Gully tops and manhole tops made of composite materials"

Date of receipt of the samples at TCC: ref.№ 73/22.01.2016

Quantity of test samples: 1 piece complete with frame

Period of the test: 22.01.2016 - 25.01.2016

Director TCC: signed, stamped

/chief as.Eng. Ts. Gyurova/

The results refer only to the tested samples. Extracts from the test record may not be reproduced without the written consent of the Test Center for Construction - TCC - NISI LTD.

TEST RESULTS:

№	Identification of characteristics	Measure ment unit	Test methods	№ and identifica tion of the sample	Test results	Value and tolerance of the characteristic; BDS EN 124-1: 2015 and BS EN 124-5: 2015	Test conditions
1	2	3	4	5	6	7	8
1.	Residual deformation after the application of 2/3 of the tensile force when tested ¹⁾	mm	BDS EN 124-1: 2015	49	0,9	for Class B 125: ≤ 6,0 ²⁾	Standard
2.	Load testing: - with force of 125 kN for 30 sec	-		49	Withstand the load without opening of cracks	Opening of cracks is not allowed	
	- force of destruction	kN		49	144	for Class B 125: ≥ 125	

Notes:

1) 2/3 of 125 kN = 83 kN

2) The permissible residual deformation is equal to the clear opening (CO)/100.

Chief of laboratory: signed, stamped
/chief as.Eng. E.Penev/

Director TCC: signed, stamped
/chief as.Eng. Ts. Gyurova/

Tested by: technician Y.Yordanov

If necessary, the test record can include opinions and interpretations for certain tests **(conclusions are not allowed)** only in accordance with the requirements of item 5.10.5 of BDS EN ISO / IEC 17025: 2006.

I, Ognyan Penev, hereby certify that to the best of my knowledge this is a true and accurate translation from Bulgarian into English of the attached document Test report 29-1-28/21.01.2016 The translation consists of 2 /two/ pages.

Signature of translator:

(Ognyan Penchev Penev)

1618 Sofia 86 "N.Petkov" blvd.,
Tel: (02) 855 50 57; Fax: (02) 955 96 38

TEST CENTER FOR CONSTRUCTION (TCC) as of NISI EOOD

ACCREDITED UNDER BS EN ISO/IEC 17025: 2006
Certificate reg. № 88 ЛН/01.10.2014
issued by EA BAS valid until 01.10.2018

Laboratory: "Concrete and reinforcement, construction materials and products"

TEST REPORT
№ 29-1-28/21.01.2016

Name of product: Gully tops and manhole tops - round sewer grates with frame and locking from polymer composite with nominal dimensions of clear opening 600 mm, class D 400

Manufacturer: "RECO PRODUCTION" LTD

Client: "RECO PRODUCTION" LTD
town of Novi Iskar, 27 "Ravnets" str.
application from 06.01.2016
The samples were taken and submitted by the Client.

Test methods:

BDS EN 124-1:2015 "Gully tops and manhole tops for vehicular and pedestrian areas Part 1: Definitions, classification, general principles of design, performance requirements and test methods"

BDS EN 124-5:2015 "Gully tops and manhole tops for vehicular and pedestrian areas Part 5: Gully tops and manhole tops made of composite materials"

Date of receipt of the samples at TCC: ref.№ 29/06.01.2016

Quantity of test samples: 1 piece complete with frame

Period of the test: 11.01.2016 г. - 15.01.2016

Director TCC: signed, stamped

/chief as.Eng. Ts. Gyurova/

The results refer only to the tested samples. Extracts from the test record may not be reproduced without the written consent of the Test Center for Construction - TCC - NISI LTD.

TEST RESULTS:

№	Identification of characteristics	Measurement unit	Test methods	№ and identification of the sample	Test results	Value and tolerance of the characteristic; BDS EN 124-1: 2015 and BS EN 124-5: 2015	Test conditions
1	2	3	4	5	6	7	8
1.	Residual deformation after the application of 2/3 of the tensile force when tested ¹⁾	mm	BDS EN 124-1: 2015	28	1,4	for Class D 400: ≤ 2,0 ²⁾	Standard
2.	Load testing: - with force of 400 kN for 30 sec	-		28	Withstand the load without opening of cracks	Opening of cracks is not allowed	
	- force of destruction	kN		28	426	for Class D 400: ≥ 400	

Notes:

1) 2/3 of 400 kN = 266 kN

2) The permissible residual deformation is equal to the clear opening (CO)/300.

Chief of laboratory: signed, stamped
/chief as.Eng. E.Penev/

Director TCC: signed, stamped
/chief as.Eng. Ts. Gyurova/

Tested by: technician Y.Yordanov

If necessary, the test record can include opinions and interpretations for certain tests **(conclusions are not allowed)** only in accordance with the requirements of item 5.10.5 of BDS EN ISO / IEC 17025: 2006.

I, Ognyan Penev, hereby certify that to the best of my knowledge this is a true and accurate translation from Bulgarian into English of the attached document Test report 29-1-28/21.01.2016 The translation consists of 2 /two/ pages.

Signature of translator:

(Ognyan Penchev Penev)