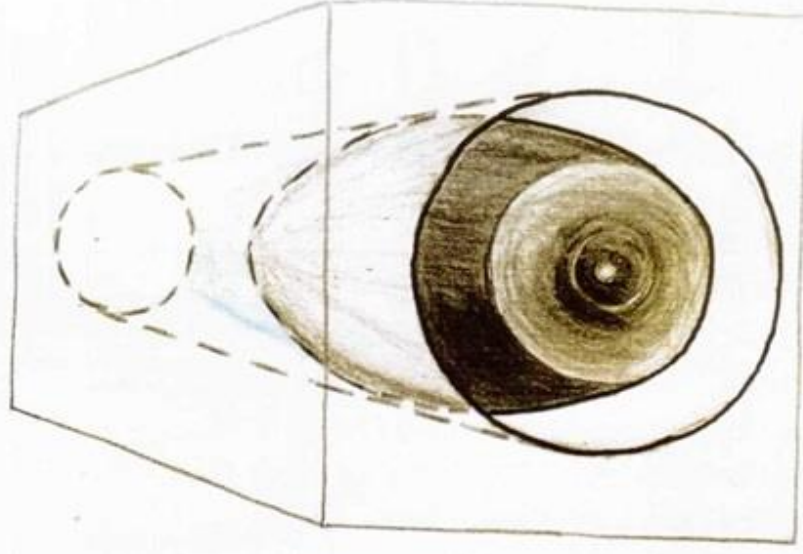
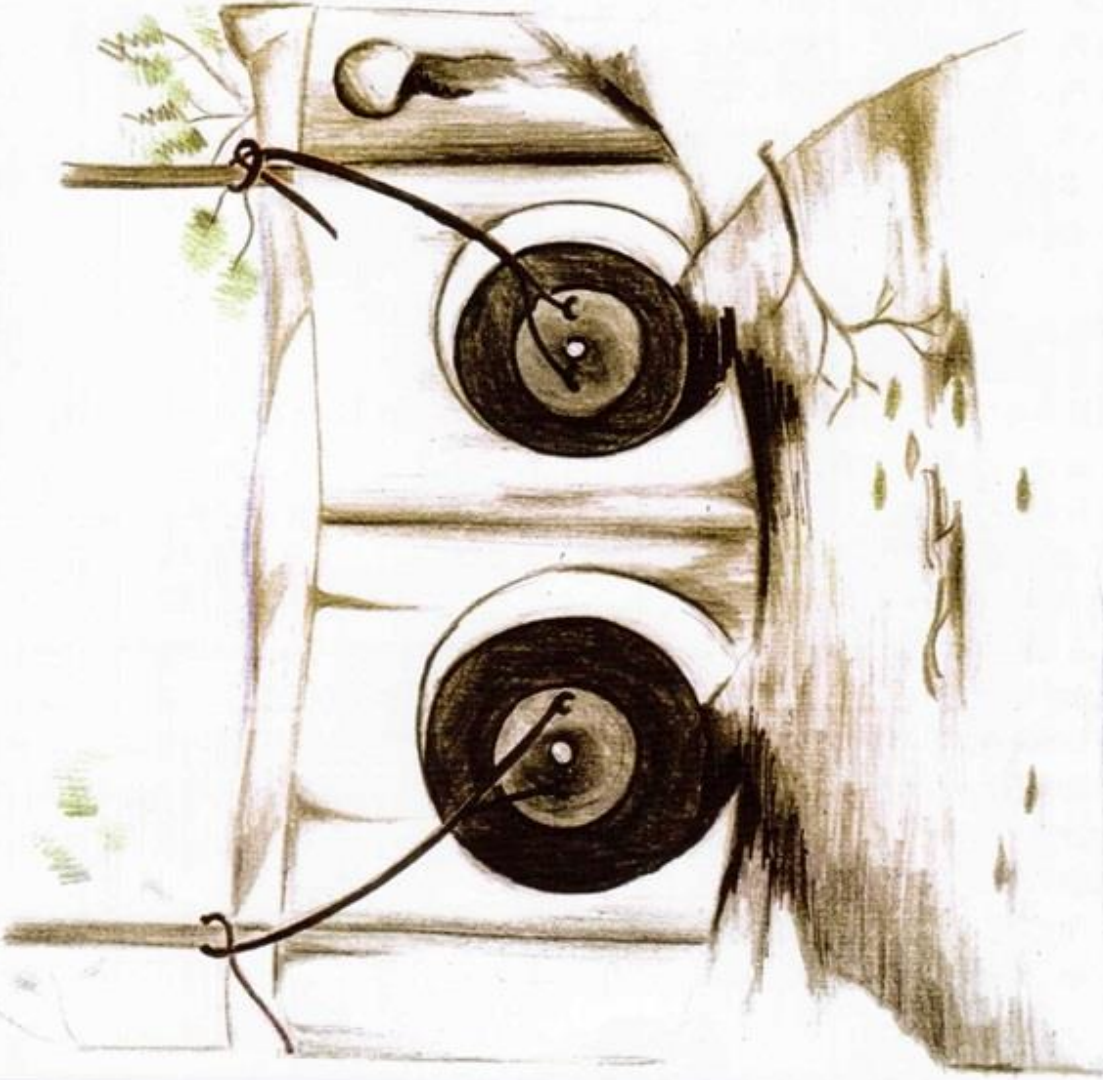


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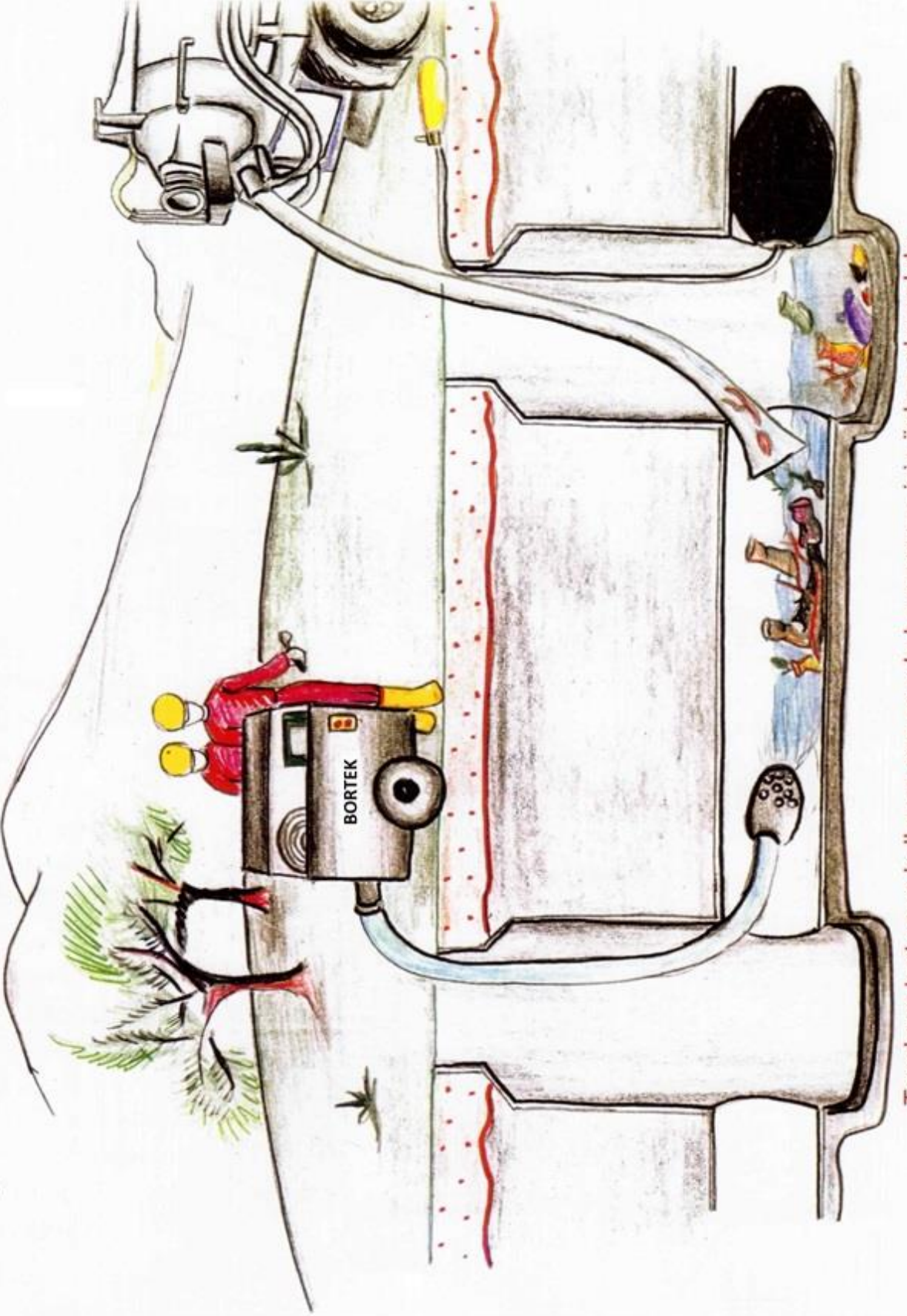
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Temporarily Choking of Pipelines / Boru Hatlarının Geçici Olarak Tıkanması



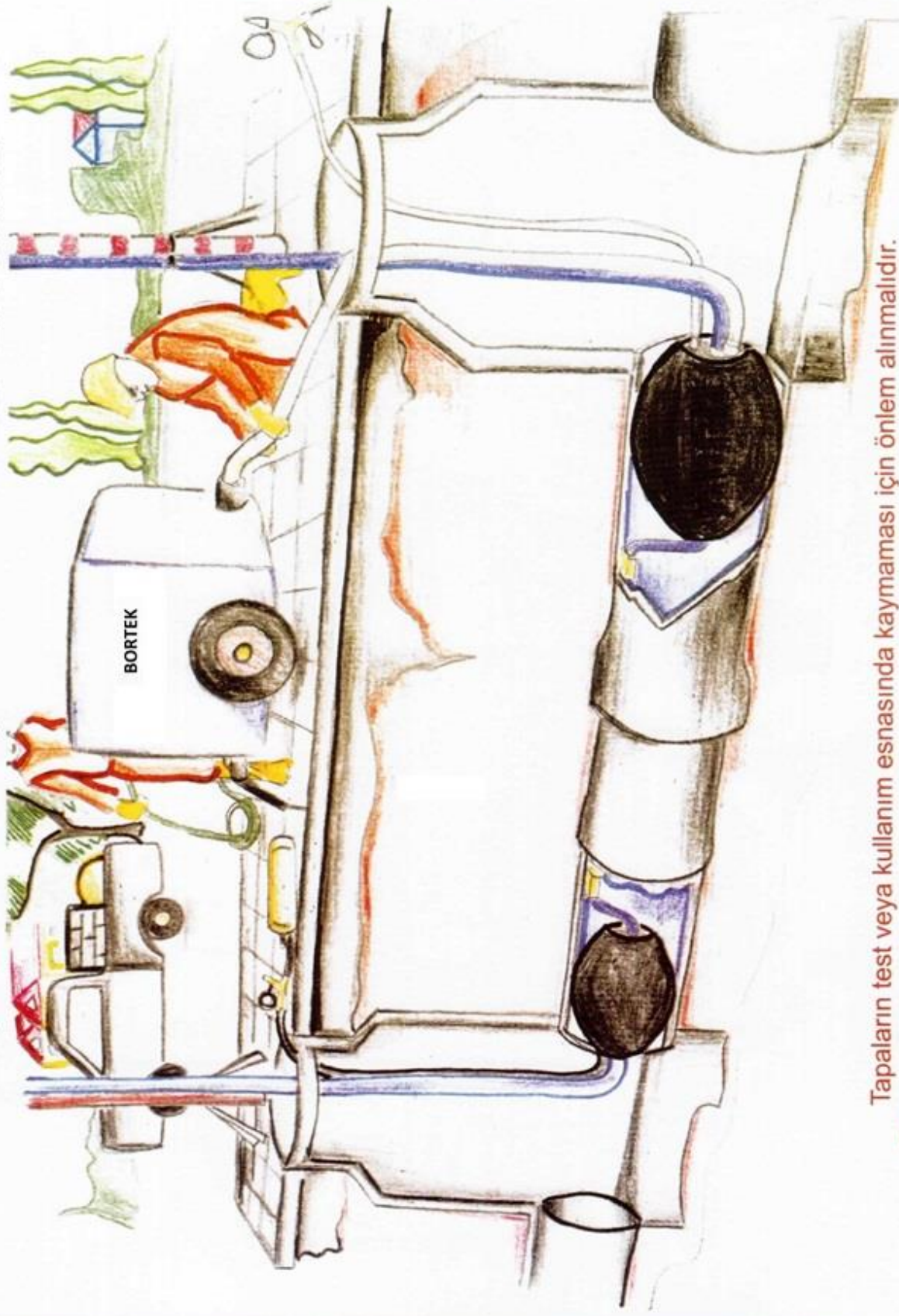
Tapaların test veya kullanım esnasında kaymaması için önlem alınmalıdır.
Precautions must be taken in order for the plugs not to shift during testing or use.

Creating Waste Pool While Cleaning The Channel / Kanal Temizlerken Atık Havuzu Oluşturmak



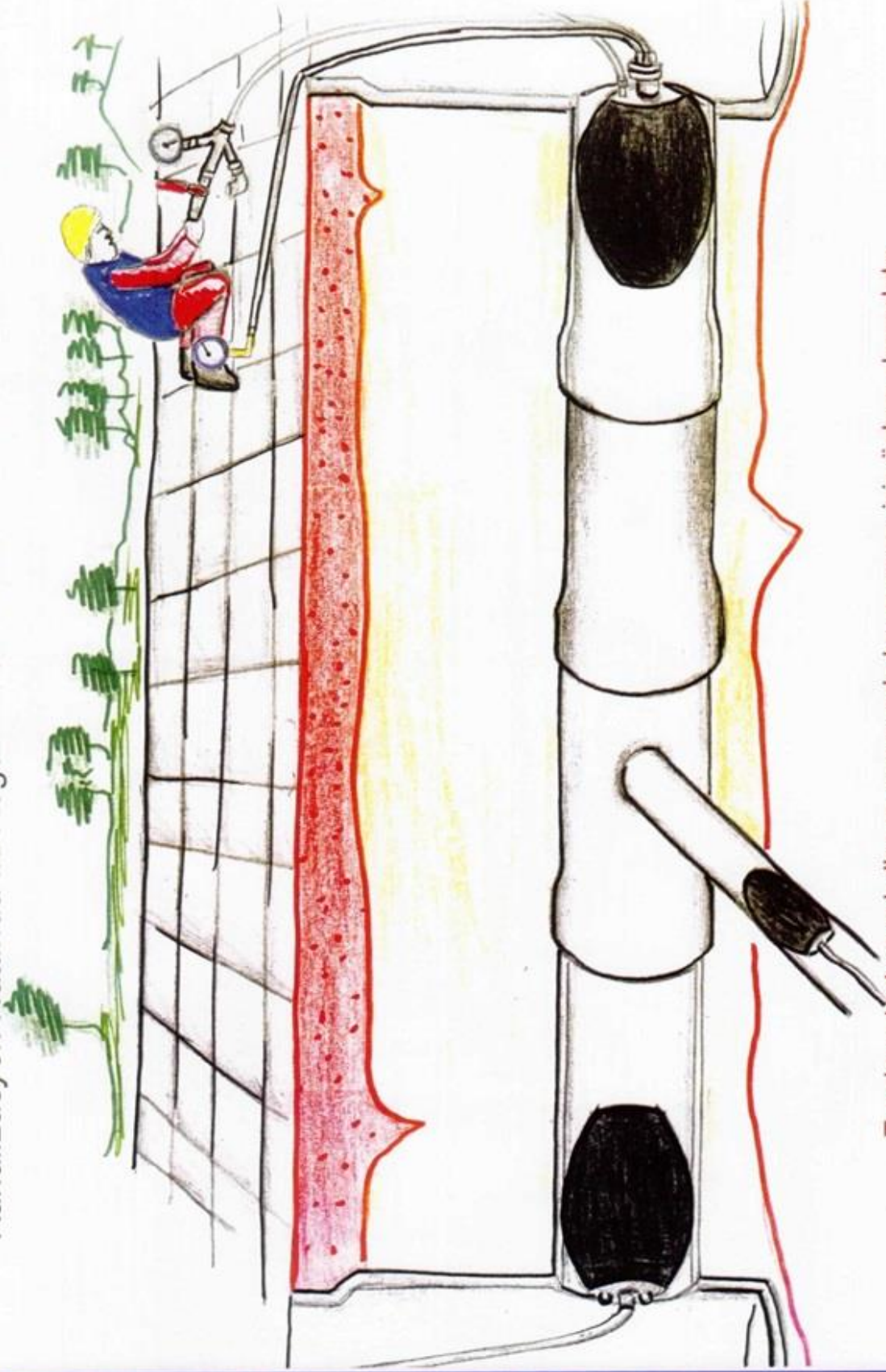
Tapaların test veya kullanım esnasında kaymaması için önlem alınmalıdır.
Precautions must be taken in order for the plugs not to shift during testing or use.

Testing Between Two Manholes By Water In Sewerage System Line EN 1610:1997
Kanalizasyon Hattında İki Rogar Arasının Su İle Testi EN 1610:1997



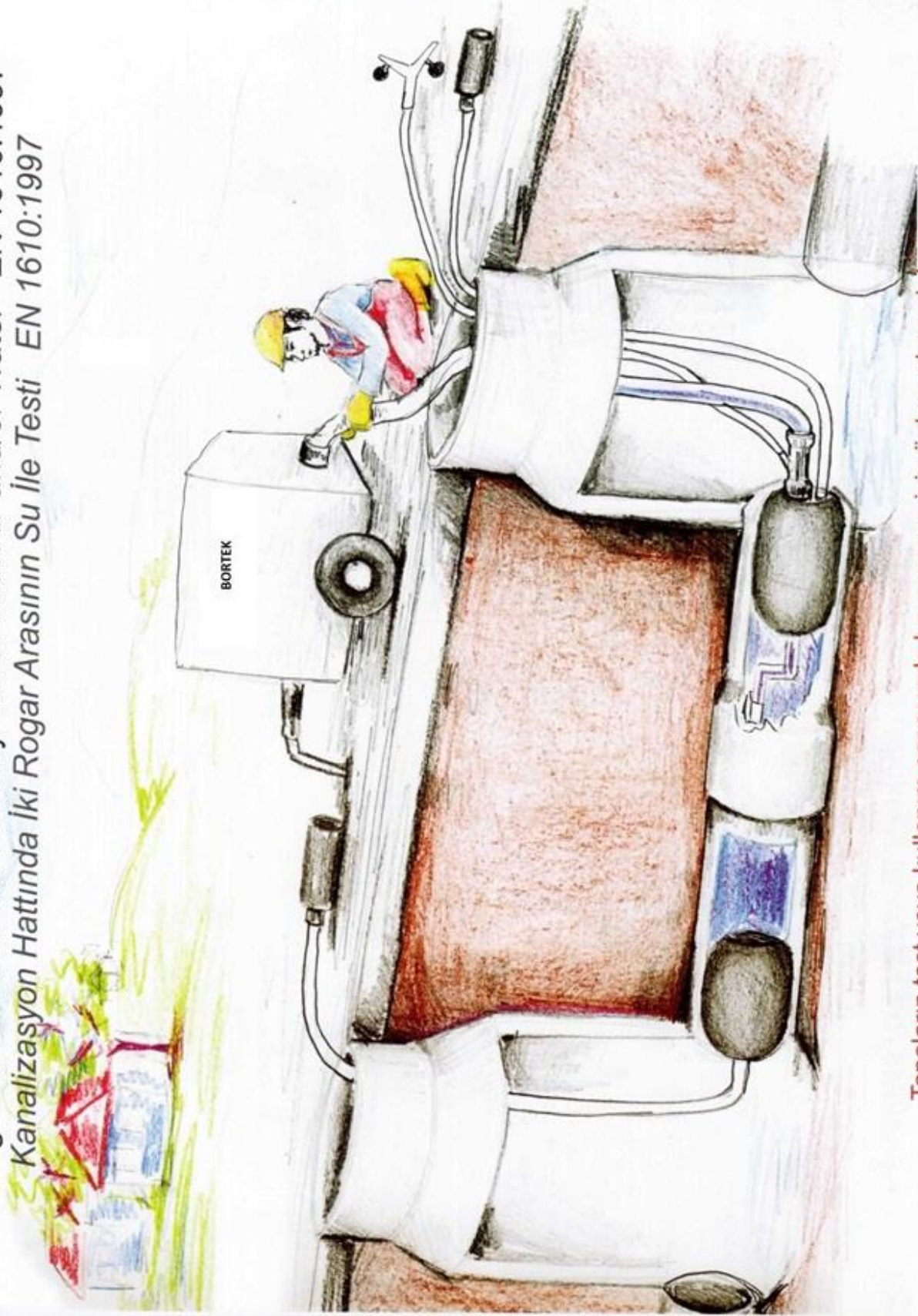
Tapaların test veya kullanım esnasında kaymaması için önlem alınmalıdır.
Precautions must be taken in order for the plugs not to shift during testing or use.

Testing Between Two Manholes By Air In Sewerage System Line EN 1610:1997
Kanalizasyon Hattında İki Rogar Arasının Hava İle Testi EN 1610:1997



Tapaların test veya kullanım esnasında kaymaması için önlem alınmalıdır.
Precautions must be taken in order for the plugs not to shift during testing or use.

Testing Between Two Manhole By Water With Air and/or Water EN 1610:1997
Kanalizasyon Hattında İki Rogar Arasının Su İle Testi EN 1610:1997



Tapaların test veya kullanım esnasında kaymaması için önlem alınmalıdır.
Precautions must be taken in order for the plugs not to shift during testing or use.

Testing Between Two Manhole By Water With Two By-pass Plug EN 1610:1997
Kanalizasyon Hattında İki Rogar Arasının Su ve Tapa İle İki By-pass'lı Testi EN 1610:1997



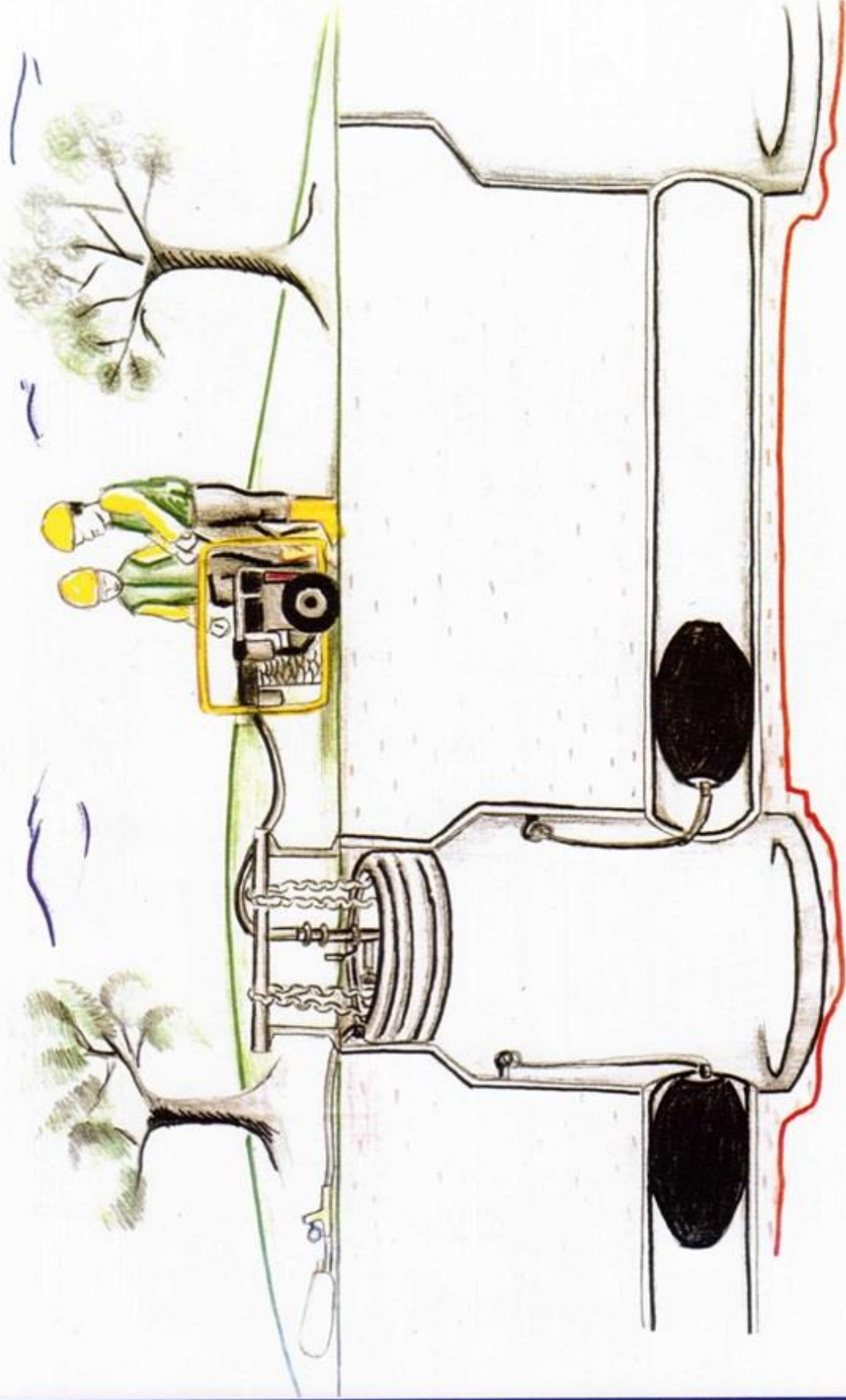
Tapaların test veya kullanım esnasında kaymaması için önlem alınmalıdır.
Precautions must be taken in order for the plugs not to shift during testing or use.

Testing Between Two Manholes By Water Without Pressure *Kanalizasyon Hattında İki Rogar Arasının Su İle Basınçsız Testi*



Tapaların test veya kullanım esnasında kaymaması için önlem alınmalıdır.
Precoutions must be taken in order for the plugs not to shift during testing or use.

Testing The Manhole By Air EN 1610:1997

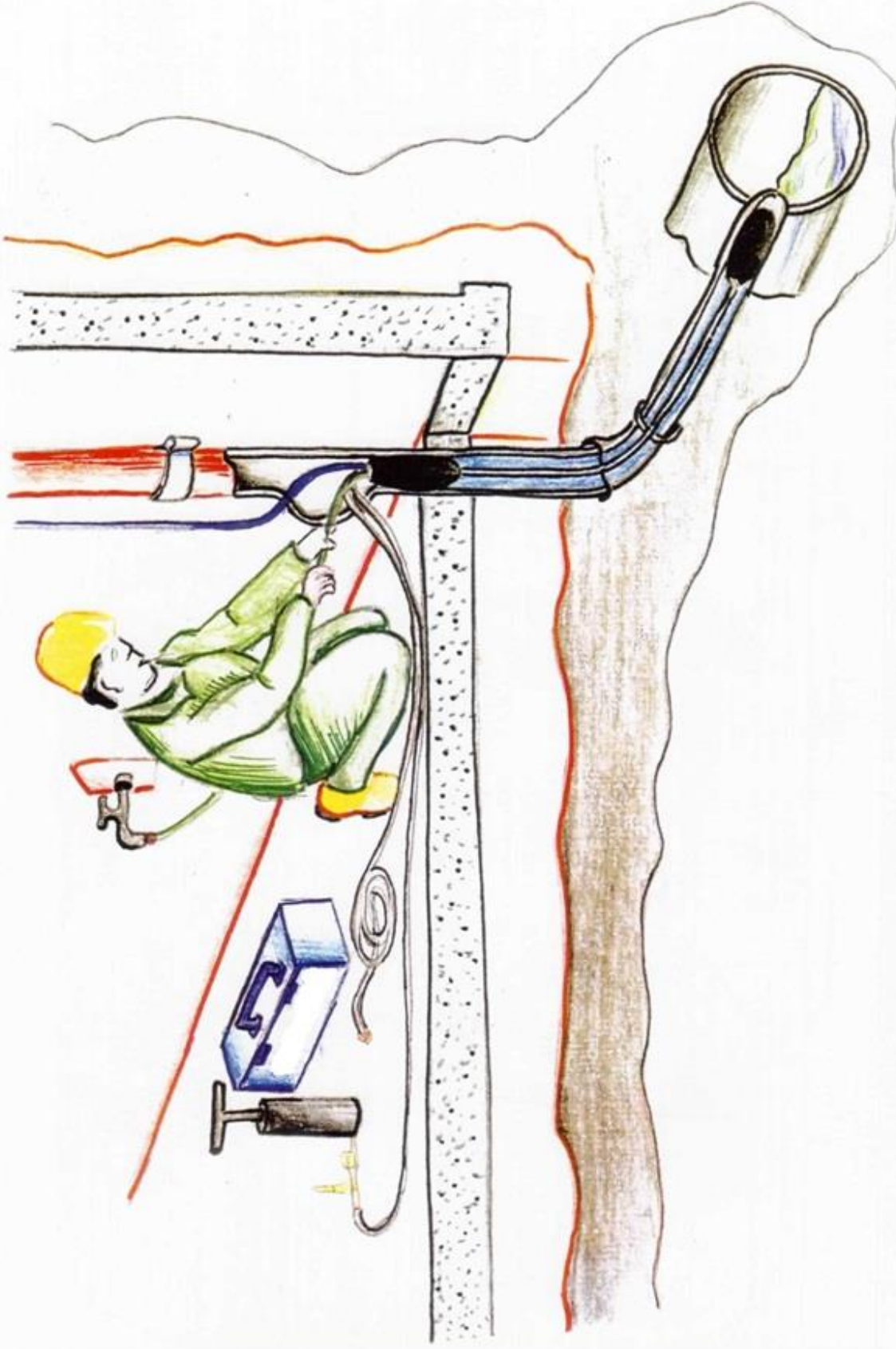


Rogarin Hava İle Testi EN 1610:1997

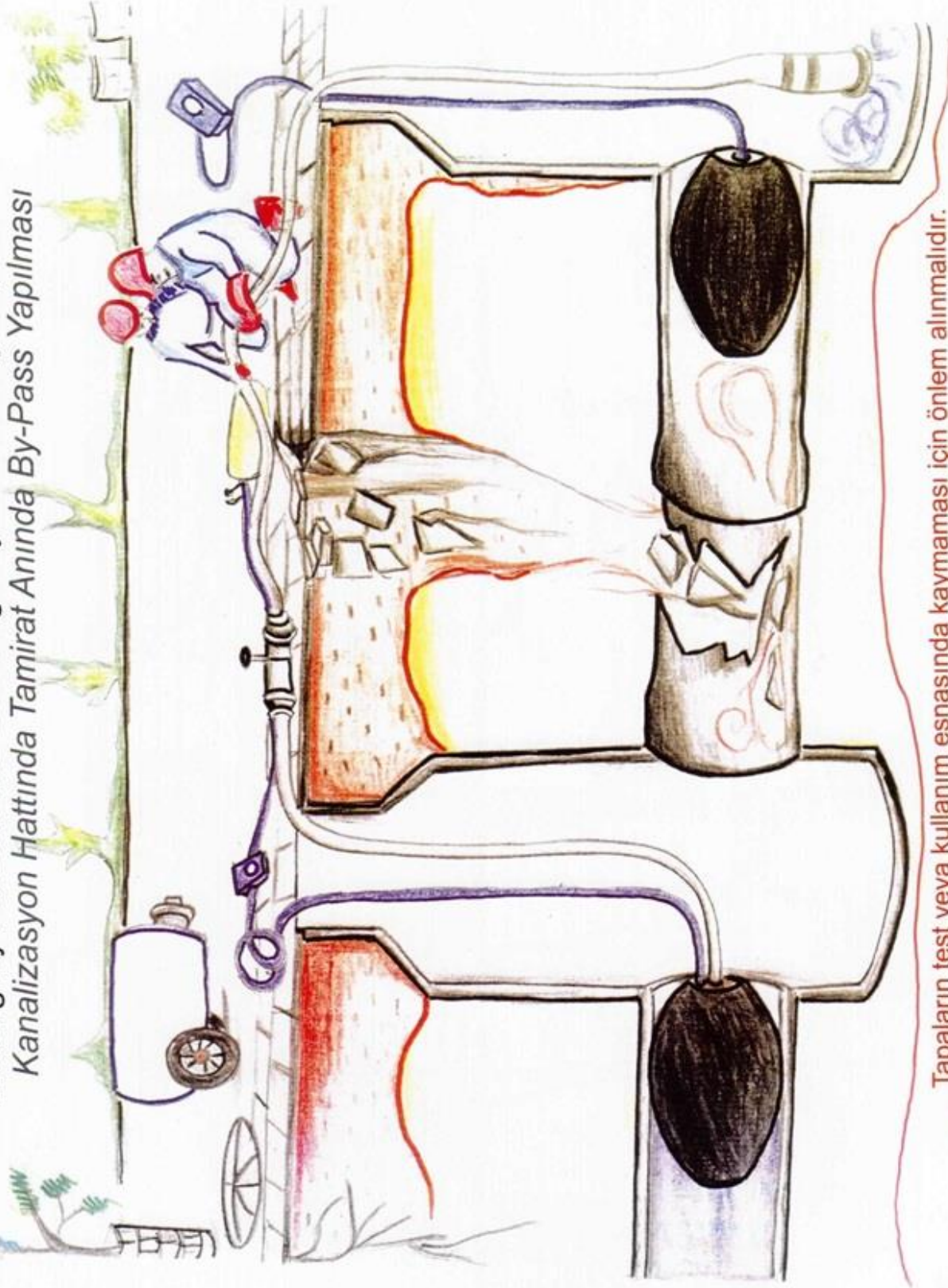
× Testing The Muff By Air In Sewerage System Line EN 1610:1997



Kanalizasyon Hattında Manşonun Hava İle Testi EN 1610:1997



Making By Pass In The Sewerage System During Reparation *Kanalizasyon Hattında Tamirat Anında By-Pass Yapılması*



Tapaların test veya kullanım esnasında kaymaması için önlem alınmalıdır.
Precautions must be taken in order for the plugs not to shift during testing or use.

Reparation Of Cracked Points In The Sewerage System By Packer



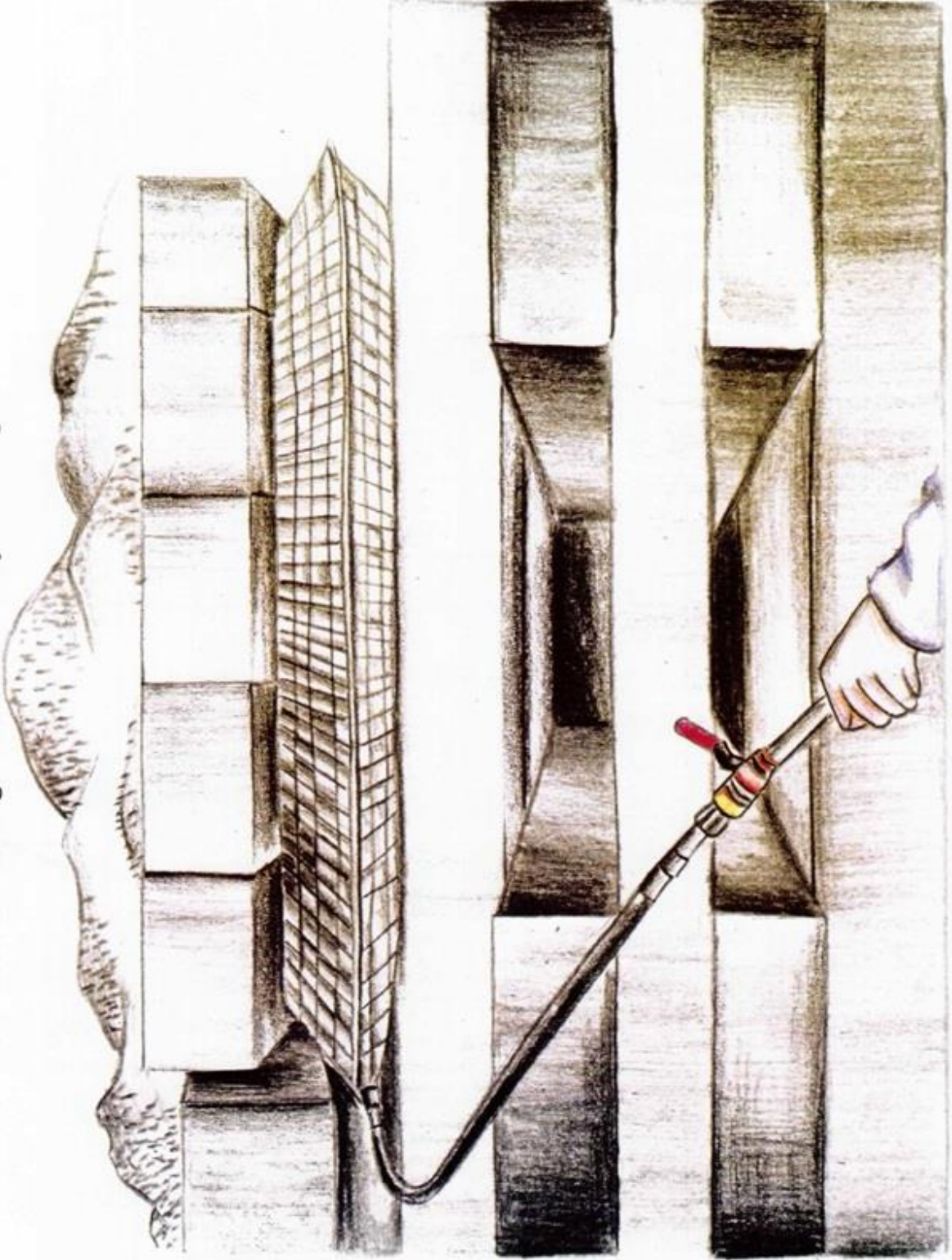
Kanalizasyon Hattında Çatlak Yerlerin Packer İle Tamirâtı

Overturning The Marble Blocks By Air Bags



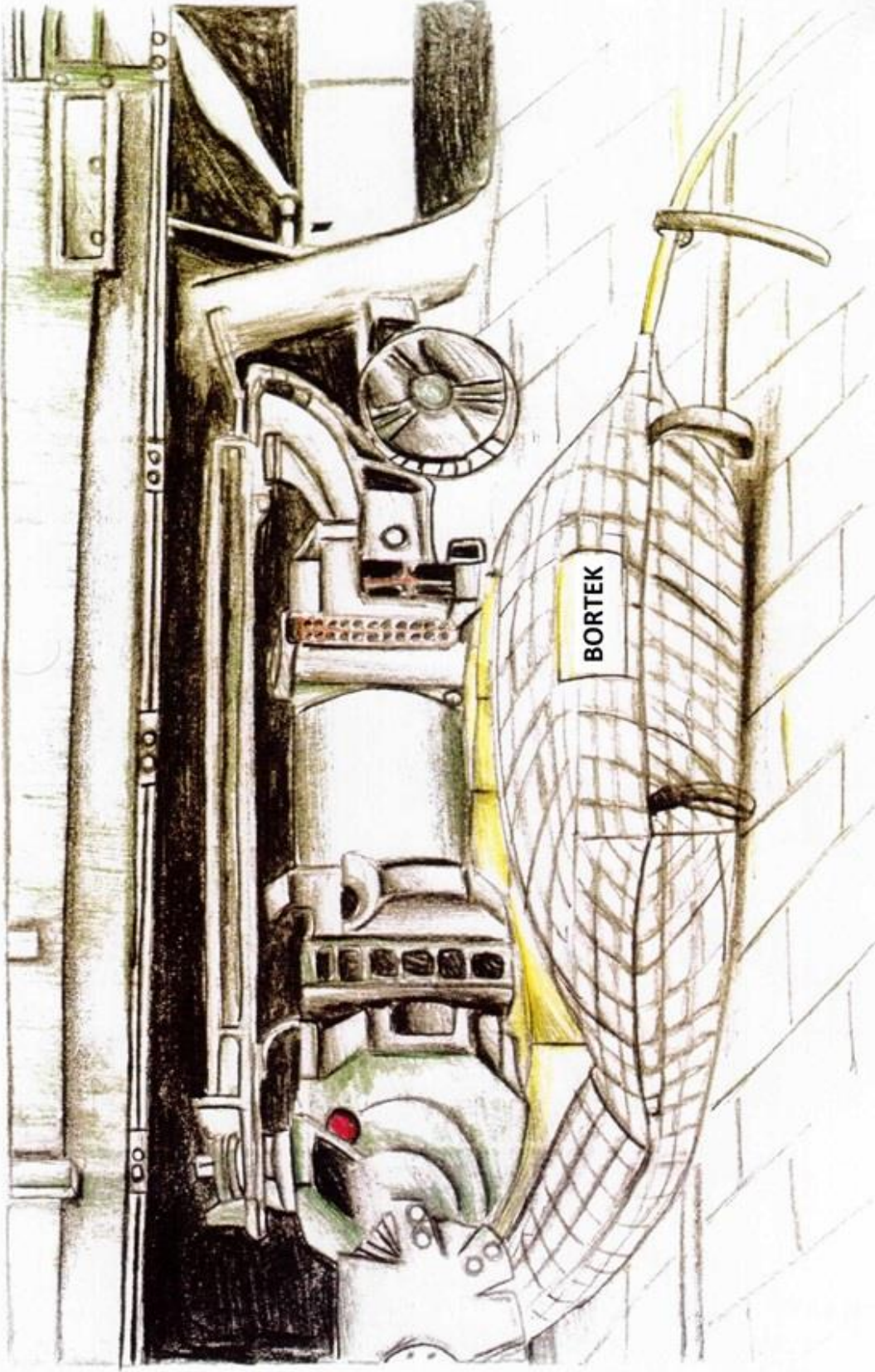
Mermer Blokların Hava Yastığı İle Devrilmesi

Lifting The Blocks By Air Bags



Havayastığı İle Blokların Kaldırılması

Shifting The Train Off The Rail By Air Bag



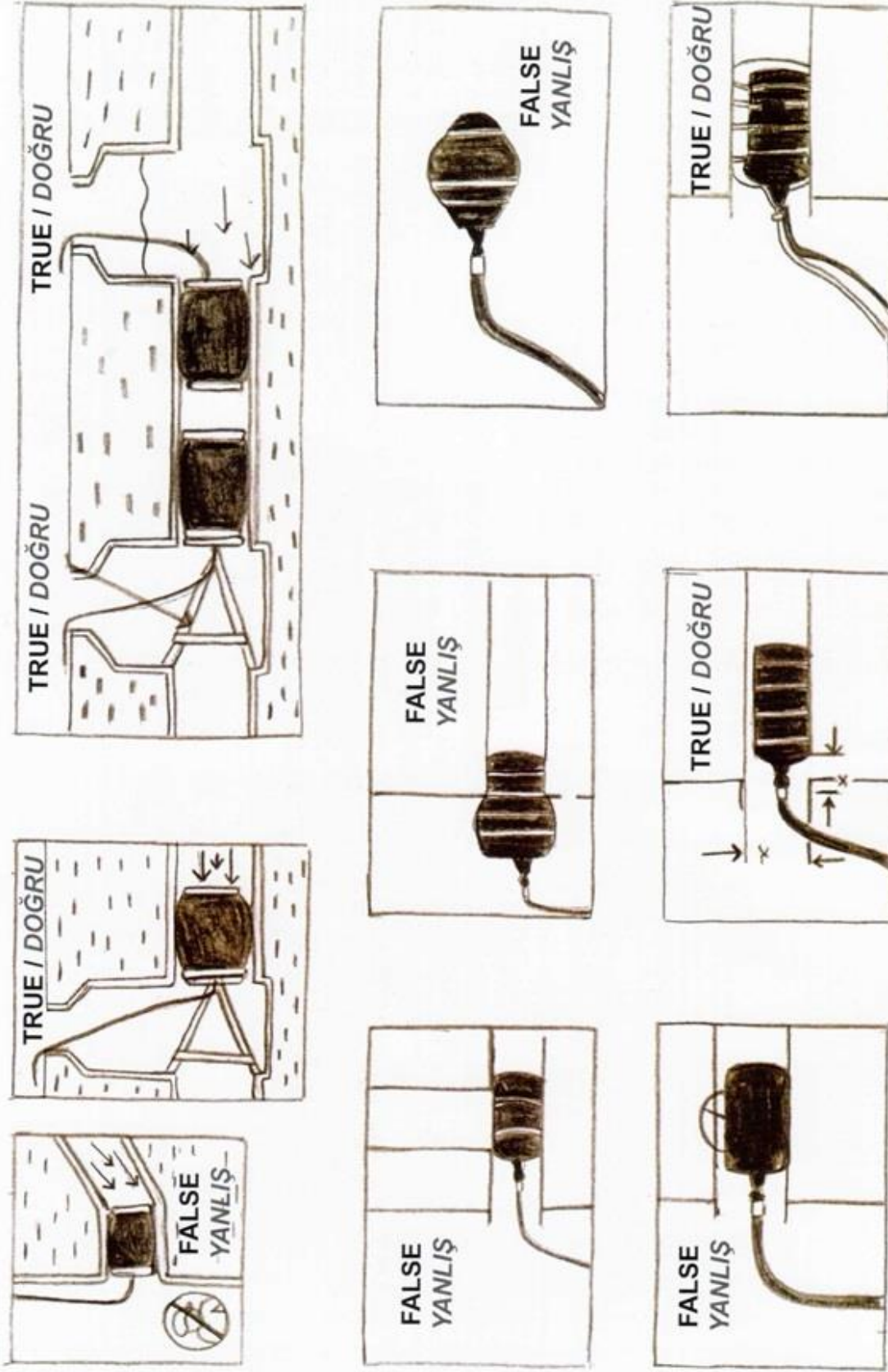
Trenin Havayastığı İle Raydan Kaydırılması

Air Bag's Operating As a Pneumatic Piston



Hava Yastığının Pnömatik Piston Görevi Yapması

Issues To Take Into Consideration When Using Stopper



Tapa Kullanımında Dikkat Edilecek Hususlar

MULTİ EBAT KANAL TIKAMA TAPASI 1,5 BAR

MULTI SIZE PIPE PLUG 1,5 BAR



Designed for fast and reliable sealing or blocked of canals, pipes, joints and inlets. It is used primarily for repairs, technical support, accidents, when tested with water or air leak. Pipe plugs are made from high quality rubber with a textile cover. Resistant to the environment, to temperatures from - 40 to 70° C, have high resistance to chemicals. Standard series of plugs can be made in a range of diameters from 50 to 2000 mm.

Part Number Ürün Kodu	Nominal Size Nominal Ebat	Min. Pipe Diameter Min. Boru Çapı (mm)	Mak. Pipe Diameter Mak. Boru Çapı (mm)	Mak. Working Pressure Mak. Çalışma Basıncı (bar)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)	Product Weight Ürün Ağırlığı (kg)
AB50100	50 - 100	45	100	1,5	45	330	0,4
AB70150	70 - 150	70	150	1,5	64	370	0,6
AB100200	100 - 200	100	200	1,5	88	550	1,15
AB150300	150 - 300	150	300	1,5	138	550	2,1
AB200400	200 - 400	200	400	1,5	185	850	3,1
AB200500	200 - 500	200	500	1,5	185	800	4,5
AB300600	300 - 600	300	600	1,5	285	850	9,5
AB375750	375 - 750	375	750	1,5	360	1000	15,7
AB5001000	500 - 1000	500	1000	1,5	485	1150	26,5
AB5001200	500 - 1200	500	1200	1,5	475	1400	17
AB6001200	600 - 1200	600	1200	1,5	585	1300	35
AB6001600	600 - 1600	600	1600	1,5	575	1900	43
AB8002000	800 - 2000	800	2000	1,5	790	2400	90

BACK PRESSURE IN DRY PIPE (BAR) / ARKA BASINÇ KURU ÇELİK BORU İÇİNDE

Pipe Diameter Boru Çapı (mm)	70	100	150	200	250	300	350	400	500	600	700	800	900	1000	1200
35 - 70	0,5														
90 - 100	1,0	0,5													
70 - 150	1,0	0,75	0,5												
100 - 200		1,0	0,75	0,5											
150 - 300			1,0	0,8	0,7	0,5									
200 - 400				1,0	0,8	0,7	0,6	0,5							
200 - 500				1,0	0,9	0,8	0,7	0,6	0,5						
300 - 600						1,0	0,8	0,75	0,6	0,5					
375 - 750								1,2	0,9	0,7	0,6				
500 - 1000									1,0	0,9	0,8	0,7	0,6	0,5	
600 - 1200										1,0	0,9	0,8	0,7	0,6	0,5

MULTI SIZE PIPE PLUGS 2,5 BAR

MULTİ EBAT KANAL TIKAMA TAPASI 2,5 BAR



These plugs are molded of special NR - SRB rubber, reinforced with Kevlar tire cording. All plugs are test-designed at three times their working pressure to ensure durability and safety. Due to their light weight and short length, pipe plugs are easy to handle even in large diameter sizes. Available in multi-size versions for pipes from 35 till 1200 mm in diameter. All plugs are equipped with quick-connect couplings and nipples. Reinforcement sleeves available for heavy duty use.

Part Number Ürün Kodu	Nominal Size Nominal Ebat	Min. Pipe Diameter Min. Boru Çapı (mm)	Mak. Pipe Diameter Mak. Boru Çapı (mm)	Mak. Working Pressure Mak. Çalışma Basıncı (bar)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)	Product Weight Ürün Ağırlığı (kg)
KAB3570	35 - 70	35	70	2.5	33	300	0.2
KAB50100	50 - 100	50	100	2.5	45	330	0.4
KAB70150	70 - 150	70	150	2.5	64	370	0.6
KAB100200	100 - 200	100	200	2.5	88	550	1.15
KAB150300	150 - 300	150	300	2.5	138	550	2.1
KAB200400	200 - 400	200	400	2.5	185	650	3.1
KAB300600	300 - 600	300	600	2.5	285	850	9.5
KAB375750	375 - 750	375	750	2.5	360	1000	15.7
KAB5001000	500 - 1000	500	1000	2.5	485	1150	26.5
KAB6001200	600 - 1200	600	1200	2.5	585	1300	35

BACK PRESSURE MEASURED IN DRY PIPE / ARKA BASINÇ KURU ÇELİK BORU İÇİNDE

MODEL AB	35 - 70	50 - 100	70 - 150	100 - 200	150 - 300	200 - 400	300 - 600	500 - 1000	600 - 1200
Max. Working Pressure / Mak. Çalışma Basıncı (3 bar)									
Pipe Diameter Boru Çapı (mm)	Max. Back Pressure Of Water / Maksimum Arka Basıncı (bar)								
35	2.2								
50	1.8	2							
70	1.8	1.8	2						
100		1.8	1.3	1.8					
150			1.8	1.1	1.8				
200				0.8	1.1	1.5			
300					0.8	1.3	1.5		
400						0.8	1.3		
500							1.1	1.5	
600							0.8	1.4	1.5
700								1.3	1.3
800								1.2	1.2
900								1.1	1.1
1000								1.0	1.0
1200									0.9

MULTİ EBAT ESNEK KANAL TEST TAPASI 1,5 BAR

MULTI SIZE FLEXIBLE PIPE TEST PLUG 1,5 BAR



The plugs can be easily installed at an angle through the side tap to the main pipe, and so allow to make an effective seal in the side and challenge in the main pipe. They are used for testing of sealing by air or water.

Resistant to the environment, to temperature from -40 to 700 C. Standard series of test plugs can be made in a range of diameters from 50 to 2000 mm.

Part Number Ürün Kodu	Nominal Size Nominal Ebat	Min. Pipe Diameter Min. Boru Çapı (mm)	Mak. Pipe Diameter Mak. Boru Çapı (mm)	Mak. Working Pressure Mak. Çalışma Basıncı (bar)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)	Bypass Diameter Baypass Çapı (inch)	Product Weight Ürün Ağırlığı (kg)
APB501001	50 - 100	50	100	1,5	45	330	1 / 2"	1,2
APB501002	50 - 100	50	100	1,5	45	330	2 x 1 / 16"	1,2
APB701501	70 - 150	70	150	1,5	64	400	1 / 2"	1,5
APB701502	70 - 150	70	150	1,5	64	400	2 x 1 / 4"	1,5
APB1002001	100 - 200	100	200	1,5	88	500	1"	2,6
APB1002003	100 - 200	100	200	1,5	88	500	2 x 1 / 2"	2,6
APB1503001	150 - 300	150	300	1,5	138	580	2"	4,5
APB1503002	150 - 300	150	300	1,5	138	580	2 x 1"	4,5
APB2004001	200 - 400	200	400	1,5	185	680	2"	8,5
APB2004002	200 - 400	200	400	1,5	185	680	2 x 1"	8,5
APB2005001	200 - 500	200	500	1,5	185	820	2"	9,5
APB3006001	300 - 600	300	600	1,5	285	850	2"	15,2
APB3006002	300 - 600	300	600	1,5	285	850	2 x 2"	18,5
APB300600	300 - 600	300	600	1,5	285	850	1 x 3"	18,5
APB3757501	375 - 750	375	750	1,5	360	1000	2"	29,5
APB3757502	375 - 750	375	750	1,5	360	1000	2 x 2"	35,2
APB3757503	375 - 750	375	750	1,5	360	1000	3"	35
APB50010001	500 - 1000	500	1000	1,5	485	1200	2"	42
APB50010002	500 - 1000	500	1000	1,5	485	1200	2 x 2"	52
APB50010003	500 - 1000	500	1000	1,5	485	1200	4"	55
APB50012001	500 - 1200	500	1200	1,5	490	1700	4"	45
APB60012001	600 - 1200	600	1200	1,5	585	1400	2"	50
APB60012002	600 - 1200	600	1200	1,5	585	1400	2 x 2"	61
APB60012003	600 - 1200	600	1200	1,5	585	1400	4"	66
APB60016001	600 - 1600	600	1600	1,5	590	1900	4"	57
APB80020001	800 - 2000	800	2000	1,5	790	3000	4"	120

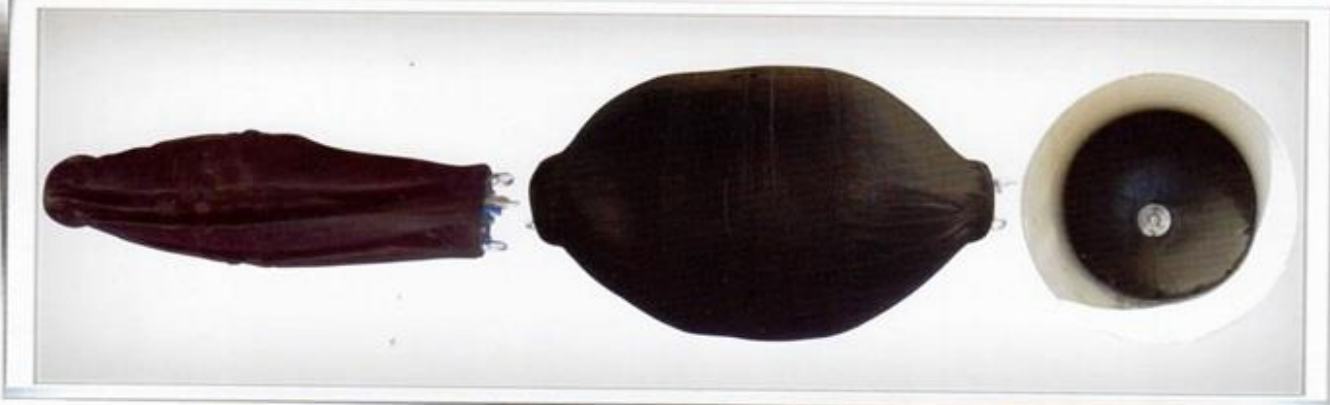
**MULTI SIZE FLEXIBLE
PIPE TEST PLUG
2,5 BAR****MULTİ EBAT ESNEK KANAL
TEST TAPASI 2,5 BAR**

Pipe test plugs made are molded of special NR-SRB rubber, reinforced with Kevlar tire cording, these plugs are ideal for testing of plumbing systems. Available in multi-size versions for pipes from 35 till 1200 mm in diameter. Due to high quality materials and materials, ensuring a high level of reliability and safety. Due to their light weight and short length, pipe plugs are easy to handle even in large diameter sizes. All plugs are equipped with quick-connect couplings and nipples.

Part Number Ürün Kodu	Nominal Size Nominal Ebat	Min. Pipe Diameter Min. Boru Çapı (mm)	Mak. Pipe Diameter Mak. Boru Çapı (mm)	Mak. Working Pressure Mak. Çalışma Basıncı (bar)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)	Bypass Diameter Bypass Çapı (inch)	Product Weight Ürün Ağırlığı (kg)
KAPB35701	35 - 70	35	70	2.5	33	300	1 / 16"	0.3
KAPB5001001	50 - 100	50	100	2.5	45	330	1 / 2"	1.2
KAPB501002	50 - 100	50	100	2.5	45	330	2 x 1 / 16"	1.2
KAPB701501	70 - 150	70	150	2.5	64	400	1 / 2"	1.5
KAPB701502	70 - 150	70	150	2.5	64	400	2 x 1 / 4"	1.5
KAPB1002001	100 - 200	100	200	2.5	88	500	1"	2.6
KAPB1002003	100 - 200	100	200	2.5	88	500	2 x 1 / 4"	2.6
KAPB1503001	150 - 300	150	300	2.5	138	580	2"	4.5
KAPB1503002	150 - 300	150	300	2.5	138	580	2 x 1"	4.5
KAPB2004001	200 - 400	200	400	2.5	185	680	2"	8.5
KAPB2004002	200 - 400	200	400	2.5	185	680	2 x 1"	8.5
KAPB3006001	300 - 600	300	600	2.5	285	850	2"	15.2
KAPB3006002	300 - 600	300	600	2.5	285	850	2 x 2"	18.5
KAPB3006003	300 - 600	300	600	2.5	285	850	1 x 3"	18.5
KAPB3757501	375 - 750	375	750	2.5	360	1000	2"	29.5
KAPB3757502	375 - 750	375	750	2.5	360	1000	2 x 2"	35.2
KAPB3757503	375 - 750	375	750	2.5	360	1000	3"	35
KAPB50010001	500 - 1000	500	1000	2.5	485	1200	2"	42
KAPB50010002	500 - 1000	500	1000	2.5	485	1200	2 x 2"	52
KAPB50010003	500 - 1000	500	1000	2.5	485	1200	4"	55
KAPB60012001	600 - 1200	600	1200	2.5	585	1400	2"	50
KAPB60012002	600 - 1200	600	1200	2.5	585	1400	2 x 2"	61

KONİK BÜZÜLEN TAPA

CONICAL SHRINKING PIPE PLUG



Part Number Ürün Kodu	Nominal Size Nominal Ebat	Min. Pipe Diameter Min. Boru Çapı (mm)	Mak. Pipe Diameter Mak. Boru Çapı (mm)	Mak. Working Pressure Mak. Çalışma Basıncı (bar)	Product Total Length Ürün Uzunluğu (mm)	Product Weight Ürün Ağırlığı (kg)
CSP702001	70 - 200	70	200	1,0	100 / 400	1,0
CSP1004001	100 - 400	100	400	1,0	200 / 850	2,5
CSP2006001	200 - 600	200	600	1,0	300 / 1000	6,0
CSP3008001	300 - 800	300	800	1,0	400 / 1300	9,6
CSP40010001	400 - 1000	400	1000	1,0	500 / 1600	14,2
CSP50012001	500 - 1200	500	1200	1,0	600 / 1900	19,1
CSP50014001	500 - 1400	500	1400	1,0	700 / 1900	29,1
CSP50015001	500 - 1500	500	1500	1,0	750 / 2600	32,2
CSP60016001	600 - 1600	600	1600	1,0	800 / 2700	35,3
CSP80018001	800 - 1800	800	1800	1,0	900 / 3100	42,2
CSP100022001	1000 - 2200	1000	2200	1,0	1100 / 3400	85,3
CSP150028001	1500 - 2800	1500	2800	1,0	1400 / 3900	132,3
CSP180032001	1800 - 3200	1800	3200	1,0	1600 / 4250	182,3
CSP220036001	2200 - 3600	2200	3600	1,0	1800 / 4500	220,35

CONICAL SHRINKING PIPE PLUG WITH BY-PASS / BY-PASS'LI BÜZÜLEN KONİK TAPA

Part Number Ürün Kodu	Nominal Size Nominal Ebat	Min. Pipe Diameter Min. Boru Çapı (mm)	Mak. Pipe Diameter Mak. Boru Çapı (mm)	Mak. Working Pressure Mak. Çalışma Basıncı (bar)	Product Total Length Ürün Uzunluğu (mm)	Bypass Diameter Bypass Çapı (inch)	Product Weight Ürün Ağırlığı (kg)
CSTP1004001	100 - 400	100	400	1,0	200 / 850	2,0	4,5
CSTP2006001	200 - 600	200	600	1,0	300 / 1000	2,5	14,2
CSTP3008001	300 - 800	300	800	1,0	400 / 1300	2,5	20,2
CSTP40010001	400 - 1000	400	1000	1,0	500 / 1600	2,5	26,3
CSTP50012001	500 - 1200	500	1200	1,0	600 / 1900	2,5	34,3
CSTP50014001	500 - 1400	500	1400	1,0	700 / 1900	2,5	46,2
CSTP50015001	500 - 1500	500	1500	1,0	750 / 2600	2,5	51,2
CSTP60016001	600 - 1600	600	1600	1,0	800 / 2700	2,5	54,2
CSTP80018001	800 - 1800	800	1800	1,0	900 / 3100	2,5	63,5
CSTP100022001	1000 - 2200	1000	2200	1,0	1100 / 3400	2,5	106,3
CSTP150028001	1500 - 2800	1500	2800	1,0	1400 / 3900	2,5	156,3
CSTP180032001	1800 - 3200	1800	3200	1,0	1600 / 4250	2,5	202,3
CSTP220036001	2200 - 3600	2200	3600	1,0	1800 / 4500	2,5	252,3

Pipe Plug is reinforced of hot vulcanize brand new type of deafening rubber goods, based on the frameless type pneumatic pillows but with more flexible inflatable structure. That allows entering the plug through small opening hole are both vertical and horizontal. Such flexibility allows you to work with a wide range of pipes diameters.

SMALL PIPE PLUG**KÜÇÜK BORU TAPASI**

Part Number Ürün Kodu	Nominal Size Nominal Ebat	Min. Pipe Diameter Min. Boru Çapı (mm)	Mak. Pipe Diameter Mak. Boru Çapı (mm)	Mak. Working Pressure Mak. Çalışma Basıncı (bar)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)	Product Weight Ürün Ağırlığı (kg)
ABE30	1 ^{1/2} "	30	32	2,5	29	60	0,15
ABE40	1 ^{1/2} "	38	42	2,5	37	90	0,15
ABE50	2"	48	54	2,5	45	110	0,25
ABE60	2 ^{1/2} "	59	65	2,5	58	120	0,35
ABE75	3"	72	78	2,5	69	140	0,45
ABE100	4"	90	105	2,5	88	180	0,6
ABE150	6"	150	150	2,5	90	200	1,1
ABE200	8"	200	200	2,5	138	200	1,6
ABE250	10"	250	250	2,5	180	250	2,2
ABE300	12"	300	300	2,5	225	300	3,5
ABE400	16"	400	400	2,5	380	400	4,4
ABE500	20"	500	500	2,5	485	500	5,5
ABE600	24"	600	600	2,5	585	600	6,3

SMALL PIPE PLUG**KÜÇÜK BORU TAPASI**

Part Number Ürün Kodu	Nominal Size Nominal Ebat	Min. Pipe Diameter Min. Boru Çapı (mm)	Mak. Pipe Diameter Mak. Boru Çapı (mm)	Mak. Working Pressure Mak. Çalışma Basıncı (bar)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)	Product Weight Ürün Ağırlığı (kg)
ABE5075	2" - 3"	50	75	2,5	45	200	0,3
ABE70100	3" - 4"	70	100	2,5	65	250	0,4
ABE100150	4" - 6"	90	155	2,5	88	210	0,75
ABE150200	6" - 8"	150	200	2,5	138	250	1,1
ABE200250	8" - 10"	200	250	2,5	180	300	1,6
ABE250300	10" - 12"	250	300	2,5	225	350	2,2
ABE300350	12" - 14"	300	350	2,5	280	350	3,5
ABE400450	16" - 18"	400	450	2,5	380	450	4,2
ABE500550	20" - 22"	500	550	2,5	480	500	5,4
ABE600650	24" - 26"	600	650	2,5	580	550	6,5

BACK PRESSURE OF SMALL PIPE PLUG (BAR) / ARKA BASINÇ

Pipe Diameter Boru Çapı (mm)	40	50	75	100	150	200	250	300	350	400	450	500	550	600	650
Nominal Size / Nominal Ebat (mm)															
50 - 75		1,8	1,5												
70 - 100			1,7	1,5											
100 - 150				1,8	1,5										
150 - 200					1,8	1,5									
200 - 250						1,8	1,5								
250 - 300							1,8	1,5							
300 - 350								1,8	1,5						
400 - 450										1,8	1,5				
500 - 550												1,8	1,5		
600 - 650														1,8	1,5

Designed for fast and reliable sealing or blockage canals, pipes, joints and inlets. It is used primarily for repairs, technical maintenance, accidents, when tested with water or air tightness.

Pipe plugs are made from high quality rubber with a textile cover. Resistant to the environment, to temperatures from -40 to 80 ° C, have high resistance to chemicals.

Manufactured in diameters from 30 to 650 mm.

SMALL PIPE TEST PLUG

KÜÇÜK BORU TEST TAPASI



These plugs are mainly used for sealing with sewer connections.

They are used in the test system and pipeline leak. The plugs are made from high quality rubber, and metal items from anticorrosion materials. Standard type series are manufactured in diameters from 30 to 650 mm. They are used for testing sealing air, r water and by-pass.

Resistant to the environment, to temperatures from -40 to 700 C.

Part Number Ürün Kodu	Nominal Size Nominal Ebat	Min. Pipe Diameter Min. Boru Çapı (mm)	Mak. Pipe Diameter Mak. Boru Çapı (mm)	Mak. Working Pressure Mak. Çalışma Basıncı (bar)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)	Bypass Diameter Bypass Çapı (inch)	Product Weight Ürün Ağırlığı (kg)
APE30	1 1/4"	30	32	2.5	29	60	1" / 8"	0.14
APE40	1 1/2"	38	42	2.5	37	90	1" / 8"	0.15
APE50	2"	48	54	2.5	45	110	1" / 8"	0.25
APE60	2 1/4"	59	65	2.5	58	120	1/2"	0.35
APE75	3"	72	78	2.5	69	140	1/2"	0.45
APE100	4"	90	105	2.5	88	180	1/2"	0.6
APE150	6"	150	150	2.5	138	200	1/2"	1.5
APE200	8"	200	200	2.5	180	250	1"	2
APE250	10"	250	250	2.5	225	300	1"	2.5
APE300	12"	300	300	2.5	285	350	1"	3.2
APE400	16"	400	400	2.5	380	450	2"	4.2
APE500	20"	500	500	2.5	480	500	2"	5.4
APE600	24"	600	600	2.5	580	550	2"	6.5

Part Number Ürün Kodu	Nominal Size Nominal Ebat	Min. Pipe Diameter Min. Boru Çapı (mm)	Mak. Pipe Diameter Mak. Boru Çapı (mm)	Mak. Working Pressure Mak. Çalışma Basıncı (bar)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)	Bypass Diameter Bypass Çapı (inch)	Product Weight Ürün Ağırlığı (kg)
APE5075	2" - 3"	48	150	2.5	48	210	1/2"	0.75
APE70100	3" - 4"	88	270	2.5	88	250	1"	2.5
APE100150	4" - 6"	90	155	2.5	88	210	1/2"	0.75
APE150200	6" - 8"	150	204	2.5	138	250	1"	2.5
APE200250	8" - 10"	200	255	2.5	180	300	2"	4
APE250300	10" - 12"	250	304	2.5	225	350	2"	6
APE300350	12" - 14"	300	356	2.5	285	350	2"	8.5
APE400450	16" - 18"	400	450	2.5	380	450	2"	4.2
APE500550	20" - 22"	500	550	2.5	480	500	2"	5.4
APE600650	24" - 26"	600	650	2.5	480	550	2"	6.5

**MULTI SIZE PIPE PLUGS WITH
BY-PASS AND METAL CORE****MULTİ EBAT
BY-PASS'LI METALLİ
BORU TEST TAPASI**

Part Number Ürün Kodu	Nominal Size Nominal Ebat	Min. Pipe Diameter Min. Boru Çapı (mm)	Mak. Pipe Diameter Mak. Boru Çapı (mm)	Mak. Working Pressure Mak. Çalışma Basıncı (bar)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)	Bypass Diameter Bypass Çapı (inch)	Product Weight Ürün Ağırlığı (kg)
APBG70150	70 - 150	70	150	1.5	68	400	1"	2.5
APBG100150	100 - 150	100	150	1.5	85	260	2"	2.5
APBG100200	100 - 200	100	200	1.5	92	400	1"	4.5
APBG125200	125 - 200	125	200	1.5	115	270	2"	4.5
APBG200500	200 - 500	200	500	1.5	190	680	1" + 2"	11.7
APBG300600	300 - 600	300	600	1.5	270	680	1" + 2"	20
APBG300750	300 - 750	300	750	1.5	270	750	1" + 2"	30
APBG500800	500 - 800	500	800	1.5	440	680	2 x 1" + 2"	38
APBG5001200	500 - 1200	500	1200	1.5	440	980	2 x 1" + 4"	50

Pneumatic plugs with threaded bypass used for repair and testing of sewage pipes without requiring them to turn off.

Pneumatic plugs are supplied with threaded bypass for sewage pipes made of reinforced rubber, the control panel (opening / closing) of pressure, drain valve, pressure gauge.

**MULTI SIZE PIPE PLUG
WITH METAL CORE
and LARGE BYPASS****MULTİ EBAT
METALLİ KANALİZASYON
BYPASS TAPASI**

Part Number Ürün Kodu	Nominal Size Nominal Ebat	Min. Pipe Diameter Min. Boru Çapı (mm)	Mak. Pipe Diameter Mak. Boru Çapı (mm)	Mak. Working Pressure Mak. Çalışma Basıncı (bar)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)	Bypass Diameter Bypass Çapı (inch)	Product Weight Ürün Ağırlığı (kg)
BPBG100200	100 - 200	100	200	1.5	92	400	2"	4.5
BPBG200500	200 - 500	200	500	1.5	190	680	4"	11.7
BPBG300600	300 - 600	300	600	1.5	280	680	4"	22
BPBG300750	300 - 750	300	750	1.5	280	750	4"	30
BPBG500800	500 - 800	500	800	1.5	440	680	6"	38
BPBG5001200	500 - 1200	500	1200	1.5	440	930	8"	50

These plugs are used primarily in cases when you need to allocate plenty of water. Removal of provides a central part of the steel, which is made of stainless steel. Rubber textile covering put on this central part, and replaced if damaged. Standard type series is produced with diameters ranging from 100 to 1200 mm. Maximum back pressure at mentioned pipe diameter is 0.7 bar. Backpressure values are valid in concrete pipes and properly strutted or supported configuration. There is possible to produce Multi size pipe plug with metal core with large bypass with custom technical needs.

MULTI SIZE SHORT PIPE PLUG**MULTİ EBAT
KISA BORU TAPASI**

Part Number Ürün Kodu	Nominal Size Nominal Ebat	Min. Pipe Diameter Min. Boru Çapı (mm)	Mak. Pipe Diameter Mak. Boru Çapı (mm)	Mak. Working Pressure Mak. Çalışma Basıncı (bar)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)	Product Weight Ürün Ağırlığı (kg)
ABS50100	50 - 100	50	100	2,5	45	200	0,3
ABS70150	70 - 150	70	150	2,5	65	250	0,4
ABS100200	100 - 200	100	200	2,5	88	250	1
ABS150300	150 - 300	150	300	2,5	140	350	1,6

These plugs are mainly used for sealing with sewer connections. The plugs are made from high quality rubber, and metal items from anticorrosion materials. Standard type series are manufactured in diameters from 50 to 300 mm.

**MULTI SIZE SHORT
PIPE TEST PLUG****MULTİ EBAT
KISA BORU TEST TAPASI**

Part Number Ürün Kodu	Nominal Size Nominal Ebat	Min. Pipe Diameter Min. Boru Çapı (mm)	Mak. Pipe Diameter Mak. Boru Çapı (mm)	Mak. Working Pressure Mak. Çalışma Basıncı (bar)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)	Bypass Diameter Baypass Çapı (inch)	Product Weight Ürün Ağırlığı (kg)
APBS50100	50 - 100	50	100	2.5	48	150	1/4"	1
APBS100200	100 - 200	100	200	2.5	88	270	1/2"	1.2
APBS150300	150 - 300	150	300	2.5	138	370	1"	2

These plugs are mainly used for sealing with sewer connections. They are also used in the test system and pipeline leak. The plugs are made from quality rubber, and metal items from anticorrosion materials. Standard type series are manufactured in diameters from 50 to 300 mm. They are used for testing sealing by air or water.

**SET FOR TESTING HOUSE
CONNECTIONS WITH WATER
AND/OR AIR****EV HATTI TEST HAVA
VE / VEYA TEST
YAPMA SETİ**

Part Number Ürün Kodu	Nominal Size Nominal Ebat (mm)	Min. Pipe Diameter Min. Boru Çapı (mm)	Mak. Pipe Diameter Mak. Boru Çapı (mm)	Mak. Working Pressure Mak. Çalışma Basıncı (bar)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)	Max. Back Pressure Ürün Ağırlığı (bar)
TWAHC70150	70 - 150	70	150	2,5	65	350	1
TWAHC90250	90 - 250	90	250	2,5	88	500	1

One set is:

1 x pipe plug / 1 x pipe test plug / 1x inflation hose / 1xwater hose /
1x air and water test adaptor / 1x hose with manometer for air test /
1 x Hand pump adaptor / water gauge for water test / pushing stick /
handpump / case

Test set are developed from professionals for professionals.

When a leak test of house connections or pipe conversations can be tested with these devices several several size.

A testing device for all types of leak tests in the size range 70 to 150 mm and 90 - 250 mm in a accordande with DIN EN 1610 for water and/or air.

Front test plug has a large by-pass diameter compared with other manufacturers and the back plug shrinkage due to the nature can be pused through small bends.

JOINT TEST**EK YERİ TESTİ**

For testing of joints in the pipeline.

Drives it into the tube, each side become inflate and seal tightly to pipe. Then inflated with air or water, for checking the pipe on existence faults or cracks.

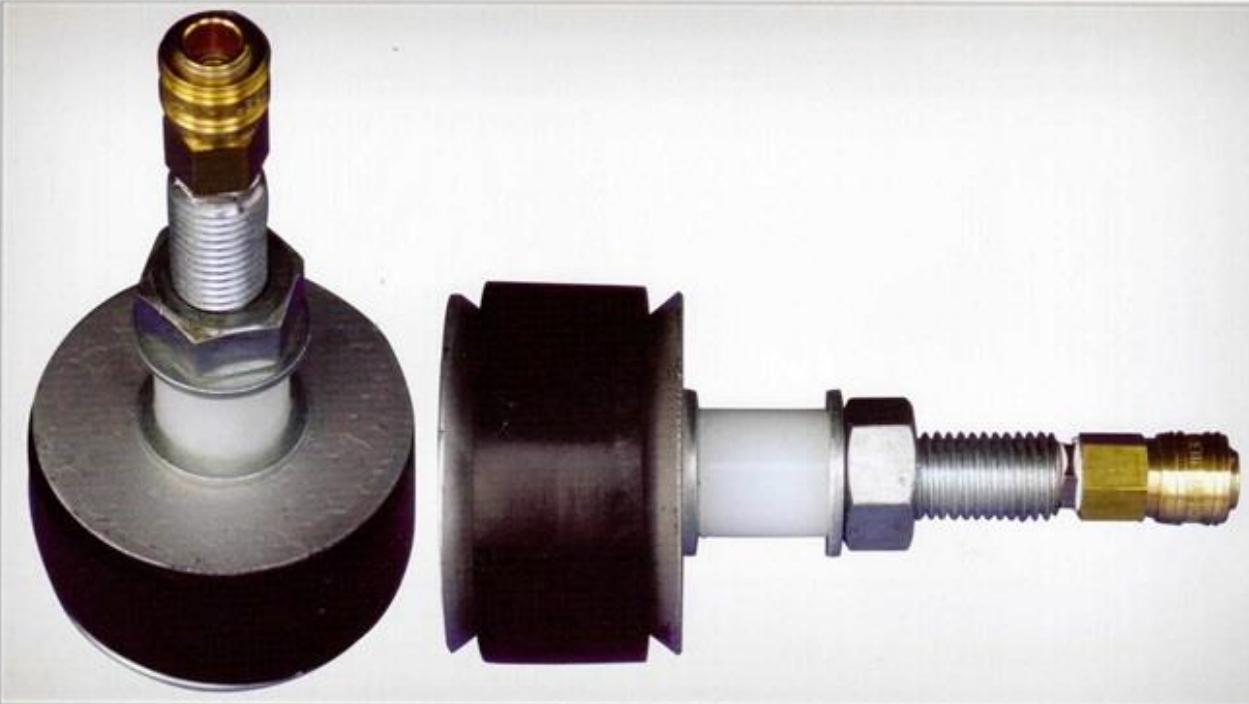
In the case when entrance hole of pipe is less than the diameter of the test tube it is possible to disassemble joint test on 3 or 4 separate parts and then mounted it inside the tube.

Part Number Ürün Kodu	Nominal Size Nominal Ebat (mm)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)	Mak. Working Pressure Mak. Çalışma Basıncı (bar)
J200	100	80	380	2.5
J200	200	180	380	2.5
J300	300	280	380	2.5
J400	400	380	380	2.5
J500	500	480	380	2.5
J600	600	580	380	2.5
J700	700	680	380	2.5
J800	800	780	380	2.5
J900	900	880	380	2.5
J1000	1000	980	380	2.5
J1100	1100	1080	380	2.5
J1200	1200	1180	380	2.5
J1300	1300	1280	380	2.5
J1400	1400	1380	380	2.5
J1500	1500	1480	380	2.5
J1600	1600	1580	380	2.5
J1700	1700	1680	380	2.5
J1800	1800	1780	380	2.5
J1900	1900	1880	380	2.5
J2000	2000	1980	380	2.5
J2100	2100	2080	380	2.5
J2200	2200	2180	380	2.5
J2300	2300	2280	380	2.5
J2400	2400	2380	380	2.5
J2500	2500	2480	380	2.5
J3000	3000	2980	380	2.5

**SINGLE SIZE MECHANICAL
PIPE PLUG****TEK EBAT MEKANİK
BORU TAPASI**

Part Number Ürün Kodu	Nominal Size Nominal Ebat	Min. Pipe Diameter Min. Boru Çapı (mm)	Mak. Pipe Diameter Mak. Boru Çapı (mm)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)
MTP6	1/4"	6	6,5	5,5	40
MTP9	3/8"	9	10	8,5	40
MTP12	1/2"	12	13	11,5	40
MTP30	1 1/4"	29	32	28	40
MTP38	1 1/2"	38	40	37	40
MTP50	2"	49	51	47	40
MTP75	3"	74	77	72	40
MTP100	4"	98	102	96	40
MTP150	6"	146	153	146	40
MTP200	8"	195	202	192	40

The plugs are used to block sewer pipes and to repair, hydro testing, flushing pipe welding in an inert tube. The plugs are easy to install, withstand pressures up to 3 atm. and the temperature to 70 ° C

**SINGLE SIZE
MECHANICAL PIPE
TEST PLUG****TEK EBAT MEKANİK BORU
TEST TAPASI**

Part Number Ürün Kodu	Nominal Size Nominal Ebat	Min. Pipe Diameter Min. Boru Çapı (mm)	Mak. Pipe Diameter Mak. Boru Çapı (mm)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)	Bypass Diameter Baypass Çapı (inch)
MPTP6	1/4"	6	6.5	5.5	40	1/16"
MPTP9	3/8"	9	10	8.5	40	1/8"
MPTP12	1/2"	12	13	11.5	40	1/4"
MPTP30	1 1/4"	29	32	28	40	1/2"
MPTP38	1 1/2"	38	40	37	40	1/2"
MPTP50	2"	49	51	47	40	1/2"
MPTP75	3"	74	77	72	40	1/2"
MPTP100	4"	98	102	96	40	1/2"
MPTP150	6"	148	153	146	40	1/2"
MPTP200	8"	195	202	192	40	1/2"

The plugs are used to block sewer pipes and to repair and welding, hydro testing, flushing pipe welding in an inert tube. The plugs are easy to install, withstand pressures up to 3 atm. and the temperature to 70 ° C.

They are available in the bypass. Sturdy and lasting with a chemically resistant neoprene gasket. For temporary or permanent installation does not require tools have a channel for water discharge or bypass a neoprene seal.

**SINGLE SIZE TEST PLUG
WITH METAL CORE****TEK EBAT METALLİ
BORU TEST TAPASI**

Part Number Ürün Kodu	Nominal Size Nominal Ebat	Min. Pipe Diameter Min. Boru Çapı (mm)	Mak. Pipe Diameter Mak. Boru Çapı (mm)	Mak. Working Pressure Mak. Çalışma Basıncı (bar)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)	Bypass Diameter Bypass Çapı (inch)	Product Weight Ürün Ağırlığı (kg)
PAP200	200	190	210	6	185	110	1"	2,5
PAP250	250	245	255	6	230	110	1"	3,5
PAP300	300	290	305	6	280	110	2"	5
PAP350	350	345	360	6	330	110	2"	6
PAP400	400	390	405	6	380	110	2"	8
PAP450	450	445	460	6	440	110	2"	10
PAP500	500	495	505	6	485	160	2"	17
PAP600	600	590	610	6	585	160	2"	20
PAP700	700	690	710	6	685	160	2"	24

Plug is designed to block the pipeline during the repair to the intense pressure.
Spacers are used for more effective use. Working pressures up to 6 bar more

**HIGH PRESSURE
PIPE PLUG****YÜKSEK BASINÇLI
BORU TAPASI**

Part Number Ürün Kodu	Nominal Size Nominal Ebat	Min. Pipe Diameter Min. Boru Çapı (mm)	Mak. Pipe Diameter Mak. Boru Çapı (mm)	Mak. Working Pressure Mak. Çalışma Basıncı (bar)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)	Product Weight Ürün Ağırlığı (kg)
HPAB100150	100 - 150	100	150	3	88	550	1,2
HPAB150200	150 - 200	150	200	3	138	550	2,4
HPAB200300	200 - 300	200	300	3	185	650	3,4
HPAB300400	300 - 400	300	400	3	285	850	10
HPAB400500	400 - 500	400	500	3	380	1000	18
HPAB500600	500 - 600	500	600	3	485	1300	28

They are used to seal the pipe in which the back pressure exceeds the working pressure range of standard plugs. Thanks to specially reinforced top and bottom end caps and aramid reached the reliability and safe operation at high pressures. The plugs are equipped with eyelets shall bolts and quick couplings for inflation / deflation.

3 bar back pressure.

MANHOLE TEST PLUG**RÖGAR TEST TAPASI**

Part Number Ürün Kodu	Nominal Size Nominal Ebat	Min. Pipe Diameter Min. Boru Çapı (mm)	Mak. Pipe Diameter Mak. Boru Çapı (mm)	Mak. Working Pressure Mak. Çalışma Basıncı (bar)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)	Bypass Diameter Baypass Çapı (inch)	Product Weight Ürün Ağırlığı (kg)
SPK600650	600 - 650	600	650	1,5	580	250	2 x 1/4"	5
SPK800850	800 - 850	800	850	1,5	780	250	2 x 1/4"	7
SPK10001050	1000 - 1050	1000	1050	1,5	980	250	2 x 1/4"	9
SPK600650	600 - 650	600	650	1,5	580	250	2"	5,5
SPK800850	800 - 850	800	850	1,5	780	250	2"	7,5
SPK10001050	1000 - 1050	1000	1050	1,5	980	250	2"	9,5

The proposed test plug is ideal for testing manholes. A short length of the product in combination with low weight makes them easy to handle.

To test the proposed air standard accessories that is compatible with other plugs.

Max. Back Pressure at mentioned pipe diameter is 0.2 bar.

**LOW AIR TEST
PIPE PLUG****DÜŞÜK BASINÇ
TEST TAPASI**

Part Number Ürün Kodu	Nominal Size Nominal Ebat	Min. Pipe Diameter Min. Boru Çapı (mm)	Mak. Pipe Diameter Mak. Boru Çapı (mm)	Mak. Working Pressure Mak. Çalışma Basıncı (bar)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)	Bypass Diameter Baypass Çapı (inch)	Product Weight Ürün Ağırlığı (kg)
MTS300400	300 - 400	300	400	1.5	280	250	2 x 1/4"	2
MTS400500	400 - 500	400	500	1.5	380	250	2 x 1/4"	3
MTS500600	500 - 600	500	600	1.5	480	250	2 x 1/4"	4
MTS600700	600 - 700	600	700	1.5	580	250	2 x 1/4"	5
MTS700800	700 - 800	700	800	1.5	680	250	2 x 1/4"	6
MTS800900	800 - 900	800	900	1.5	780	250	2 x 1/4"	7
MTS9001000	900 - 1000	900	1000	1.5	880	250	2 x 1/4"	8
MTS10001100	1000 - 1100	1000	1100	1.5	980	250	2 x 1/4"	9

In testing using standard air-mines this stub, which is light and easy to manipulate with it. Accessories for use with a plug used are the same as for standard plugs. Engineers can manufacture of other sizes and forms for custom shafts. Max. Backpressure at mentioned pipe diameter is 0.01 bar.

OVAL PIPE PLUG

OVAL BORU TAPASI



Multi size oval pipe plugs. Available in three sizes of products with blocking.

These plugs are used to seal ovoid profiles. They can be used to produce the test seal. It is in the echo-shaped of the pipeline.

Part Number Ürün Kodu	Nominal Size Nominal Ebat	Min. Pipe Diameter Min. Boru Çapı (mm)	Mak. Pipe Diameter Mak. Boru Çapı (mm)	Mak. Working Pressure Mak. Çalışma Basıncı (bar)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)	Product Weight Ürün Ağırlığı (kg)
OAB200300	200 - 300 250 - 375 300 - 450	200 - 300	300 - 450	1.5	180 x 280	750	9
OAB300500	300 - 450 350 - 525 400 - 600	300 - 400	500 - 750	1.5	280 x 380	800	15
OAB400600	400 - 600 600 - 900	300 - 400	600 - 900	1.5	280 x 380	1000	25

FLEXIBLE OVAL PIPE TEST PLUG

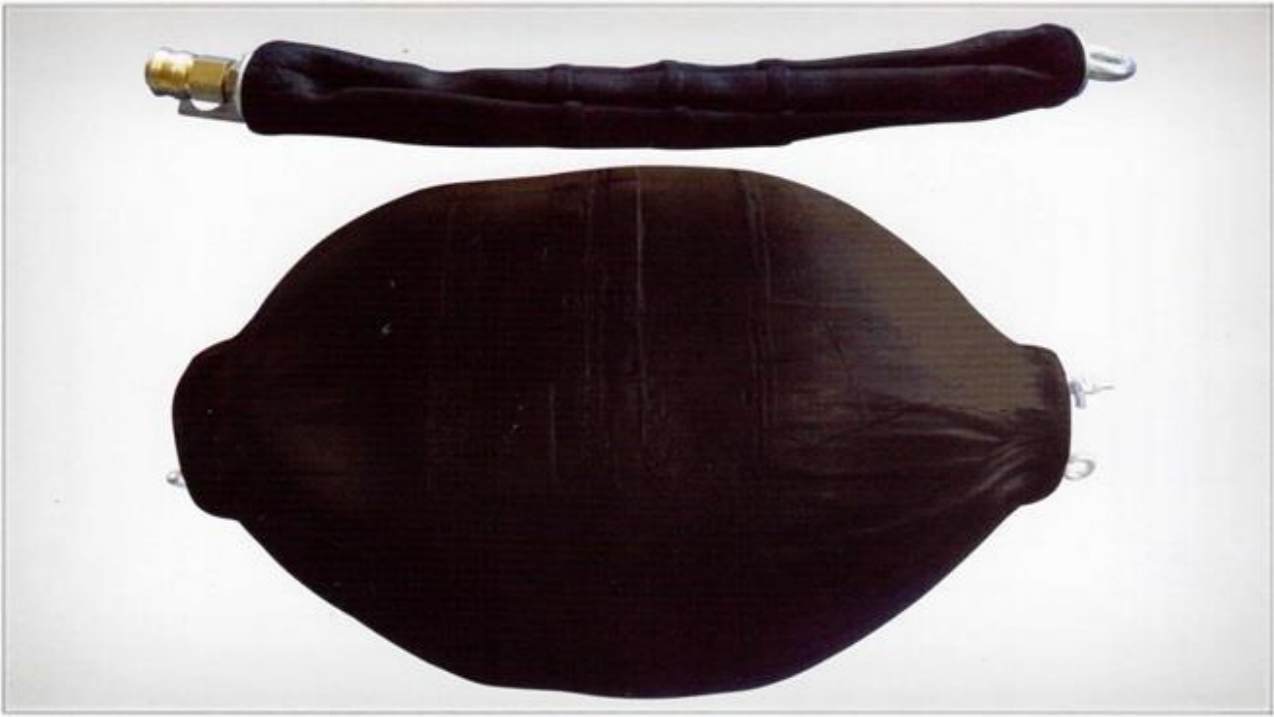
ESNEK OVAL BORU TEST TAPASI



Oval pipe test plugs. Available in three sizes products as a by-pass channel - to test the pipe or bypass flow.

These plugs are used to sealing ovoid profiles. They can be used to produce the test seal. It is the echo - shaped of the pipeline that is using for large pipelines. Max. Backpressure at mentioned pipe diameter is 0.5 bar. Backpressure values are valid in concrete pipes and properly strutted or supported configurations.

Part Number Ürün Kodu	Nominal Size Nominal Ebat	Min. Pipe Diameter Min. Boru Çapı (mm)	Mak. Pipe Diameter Mak. Boru Çapı (mm)	Mak. Working Pressure Mak. Çalışma Basıncı (bar)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)	Bypass Diameter Bypass Çapı (inç)	Product Weight Ürün Ağırlığı (kg)
OAPS200300	200 - 300 250 - 375 300 - 450	200 - 300	300 - 450	1.5	180 x 280	750	2"	11
OAPS300500	300 - 450 350 - 525 400 - 600	300 - 400	500 - 750	1.5	280 x 380	800	2 X 2"	21
OAPS400600	400 - 600 600 - 900	300 - 400	600 - 900	1.5	280 x 380	1000	2 X 2"	30

**HIDRO CARBON
RESISTENCE PIPE LINE
INSERTIONS PLUG****HİDRO KARBON'A DAYANIKLI
KÜÇÜK ÇAPLARDAN GİREBİLEN
BORU TAPASI**

Part Number Ürün Kodu	Nominal Size Nominal Ebat (mm)	Min. Pipe Diameter Min. Boru Çapı (mm)	Mak. Pipe Diameter Mak. Boru Çapı (mm)	Mak. Working Pressure Mak. Çalışma Basıncı (bar)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)	Product Weight Ürün Ağırlığı (kg)	Max. Back Pressure Ürün Ağırlığı (bar)
GT70100	70 - 100	70	100	2.5	65	250	0.5	1
GT100150	100 - 150	100	150	2.5	90	350	0.8	1
GT150200	150 - 200	150	200	2.5	140	400	1.2	1
GT200250	200 - 250	200	250	2.5	190	500	2.0	1
GT250300	250 - 300	250	300	2.5	240	550	3.0	1
GT300350	300 - 350	300	350	2.5	290	600	4.0	1
GT350400	350 - 400	350	400	2.5	340	700	5	1
GT400500	400 - 500	400	500	2.5	390	1000	8	1

Pipe line insertions plugs consists of outer face made of a high quality nitrile rubber encased in a 100% Polyester fabric cover. Pneumatic plug , used to gas pipelines . It is easy, safe to install and use, with high efficiency and safety. We use natural rubber as main material ,high elasticity ,high resistance.

Gas Plugs can be inserted through small cavities and expanded inside the pipe. Anti corrosive rubber and solid brass design is ideal for gas and liquid applications.

Gas Plugs are compact and can be hot-tapped through a very small opening, into gas mains, under pressure.

Bypass, repairs, section replacement and testing can be done without interruption of utility service.

**SHORT PACKER WITH METAL
CORE and CHASSIS****KISA METALLİ BORU
TAMİR KÖRÜĞÜ**

Part Number Ürün Kodu	Nominal Size Nominal Ebat	Cylinder Length Silindir Uzunluğu (mm)	Min. Contact Min. Kontak (mm)	Required Inflation Pressure Çalışma Basıncı (bar)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)	Bypass Diameter Bypass Çapı (mm)	Product Weight Ürün Ağırlığı (kg)
SP150200	150 - 200	780	580	2	110	1020	65	6,5
SP250300	250 - 300	780	600	2	190	1080	150	13
SP300400	300 - 400	800	525	1,5	240	1100	200	16
SP350450	350 - 450	800	550	1,5	285	1100	245	19
SP500600	500 - 600	900	450	1,5	445	1200	400	30

Short packers have a replaceable double-layer rubber sleeve mounted on a PU tube. All other parts installed in a packer are made of corrosion resistant materials.

On one side of the packer three wheels are attached at an angle of 120° to prevent tipping over while transported along the pipeline.

The effective packer length is 600 mm therefore they are suitable for repair of pipeline joints or repair of shorter pipeline sections along with insertion of stainless steel shells.

**FLEXIBLE PACKER
WITH BYPASS
and WHEELS****ESNEK BYPASS ve TEKERLİ
TAMİR KÖRÜĞÜ**

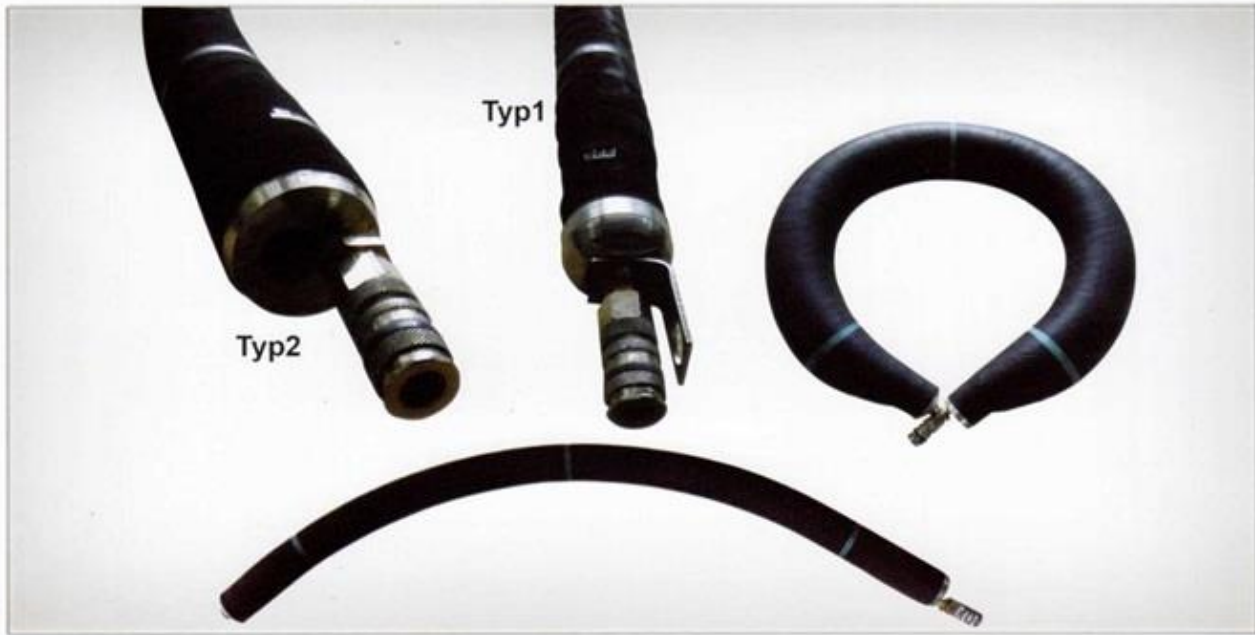
Part Number Ürün Kodu	Nominal Size Nominal Ebat	Cylinder Length Silindir Uzunluğu (mm)	Min. Contact Min. Kontak (mm)	Reguled Inflation Pressure Çalışma Basıncı (bar)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)	Bypass Diameter Baypass Çapı (inch)	Product Weight Ürün Ağırlığı (kg / m)
FRP100150XX	100 - 150	1000 - 5000	S.U - 170	2,5	65	S.U + 350	NA	1,7
FRP150250XX	150 - 250	1000 - 5000	S.U - 225	2	116	S.U + 350	1"	3,3
FRP200300XX	200 - 300	1000 - 5000	S.U - 280	2	170	S.U + 350	2"	5,4
FRP300400XX	300 - 400	1000 - 5000	S.U - 300	1,5	231	S.U + 350	2"	7,3
FRP400600XX	400 - 600	1000 - 5000	S.U - 300	1	345	S.U + 350	2"	11,6
FRP600800XX	600 - 800	1000 - 5000	S.U - 300	1	4440	S.U + 350	2"	15,5

Flexible packers have single ply of rubber textile covering, which in the end both have wheels placed at an angle of 120 °. These rollers provide stability to the movement of the pipe. The design of these packers allows water flow during the repair. The active area of the length from 600 to 5000 mm. Since the design of these packers flexible and can be easily installed in the pipeline.

LATERAL PACKER**EV HATTI
TAMİR KÖRÜĞÜ**

Part Number Ürün Kodu	Nominal Size Nominal Ebat	Cylinder Length Silindirik Uzunluğu (mm)	Min. Contact Min. Kontak (mm)	Required Inflation Pressure Çalışma Basıncı (bar)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)	Product Weight Ürün Ağırlığı (kg / m)
LP2535XX	25 - 30	600 - 5000	S.U - 80	3	20	S.U + 160	0,4
LP3550XX	35 - 50	600 - 5000	S.U - 80	3	25	S.U + 160	0,5
LP5070XX	50 - 70	600 - 5000	S.U - 150	3	33	S.U + 160	0,6
LP70100XX	70 - 100	600 - 5000	S.U - 130	3	51	S.U + 160	0,7
LP80125XX	80 - 125	600 - 5000	S.U - 150	3	51	S.U + 160	0,7
LP100150XX	100 - 150	600 - 5000	S.U - 200	2,5	65	S.U + 160	1,5
LP150200XX	150 - 200	600 - 5000	S.U - 200	2,5	80	S.U + 160	1,7
LP150250XX	150 - 250	600 - 5000	S.U - 200	2	116	S.U + 160	1,7
LP200300XX	200 - 300	1000 - 5000	S.U - 280	2	170	S.U + 160	2,3
LP300400XX	300 - 400	1000 - 5000	S.U - 280	1,5	231	S.U + 160	4,2
LP400500XX	400 - 500	1000 - 5000	S.U - 290	1	345	S.U + 160	5,2
LP450600XX	450 - 600	1000 - 5000	S.U - 300	1	345	S.U + 160	6,8

Lateral packers are suitable for repairs of pipes with smaller diameters, especially in house connection installations. These packers are rounded on both ends in order to simplify handling and slipping past bends. Ten sizes are available: for pipes of diameter from 25 till 600 mm.

BENDY PACKER**DİRSEK TAMİR KÖRÜĞÜ**

Part Number Ürün Kodu	Nominal Size Nominal Ebat	Cylinder Length Silindir Uzunluğu (mm)	Min. Contact Min. Kontak (mm)	Reguled Inflation Pressure Çalışma Basıncı (bar)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)	Product Weight Ürün Ağırlığı (kg / m)	Type Tip
BP50701	50 - 70	1250	1000	3	32	1350	0,75	1
BP70801	70 - 80	1250	1000	3	40	1350	2	1
BP1001251	100 - 125	1250	1000	3	51	1350	3	1
BP1501651	150 - 165	1250	1000	2	65	1350	5	1
BP1702201	170 - 200	1250	1000	2	80	1350	7	1
BP22525001	225 - 250	1250	1000	2	116	1350	9	1

Part Number Ürün Kodu	Nominal Size Nominal Ebat	Cylinder Length Silindir Uzunluğu (mm)	Min. Contact Min. Kontak (mm)	Reguled Inflation Pressure Çalışma Basıncı (bar)	Product Diameter Ürün Çapı (mm)	Product Total Length Ürün Uzunluğu (mm)	Product Weight Ürün Ağırlığı (kg / m)	Type Tip
BP70801	70 - 80	1250	1000	3	40	1350	2	2
BP1001251	100 - 125	1250	1000	3	51	1350	3	2
BP1501651	150 - 165	1250	1000	2	65	1350	5	2
BP1702201	170 - 200	1250	1000	2	80	1350	7	2
BP22525001	225 - 250	1250	1000	2	116	1350	9	2

Type 1. Bendy repair packers can thanks to it is design; carry out repairs in the curved parts of the pipeline at an angle less than 45 degree. This kind of design and quality material packer provides a smooth surface of the repaired pipeline without tubercles.

Type 2. Bendy packer type 2 is suitable for impassable and sharp angle more than 45 degree areas making it more stable when the packer inserting in the repair area. In this kind of design packer should be used with flexible Push road which is placed inside rear face of bendy packer.

LIFTING BAGS**HAVA YASTIĞI**

Part Number Ürün Kodu	Mak. Lifting Thrust Mak. Kaldırma Kuvveti (t)	Mak. Lifting Height Mak. Kaldırma Yüksekliği (mm)	With Eni (mm)	Product Size Ürün Boyu (mm)	Handless Kulp Adedi
LB115	1,15	75	140	140	X
LB350	3,5	100	260	200	X
LB620	6,2	170	300	300	X
LB1030	10,3	210	380	380	4
LB1300	13	170	300	600	4
LB1840	18,4	290	500	500	4
LB2430	24,3	200	330	1000	4
LB2700	27	360	600	600	4
LB3700	37	420	700	700	4
LB4870	48,7	470	800	800	4
LB6200	62	500	900	900	4
LB7600	76,8	590	1000	1000	4

These pillows are made from high quality rubber.

Allow to remove heavy objects during natural disasters, to release people in the road and rail accidents, to make installation of heavy machinery. It also helps with installation, and remote maintenance of all types of pipelines, used for cracking and removal of stone blocks. Can be widely applied on the ground and in the army. Standard type series has 12 sizes with capacities from 1 to 76 tons. Maximum Pressure: 8 bar - Test Pressure: 12 bar - Burst Pressure: >32 bar.

LEAK SEALING BAG**SIZINTI HAVA YASTIĞI**

Part Number Ürün Kodu	Product Width Ürün Eni (mm)	Product Length Ürün Boyu (mm)	Thickness Kalınlık (mm)	Mak. Working Pressure Mak. Çalışma Basıncı (bar)	Product Weight Ürün Ağırlığı (kg)	Surface Pressure Yüzey Basıncı (bar)
L3006002015	300	600	20	1,5	7	1,4
L3006005060	300	600	50	6	10	5,9

These plugs are used to quickly seal leaks occurred in the reservoirs, treatment plants, reservoirs and pipelines. Seals for the closing holes to close with the tightening of belts considerable damage.

ACCESSORIES**AKSESUARLAR****PROTECTIVE SLEEVE FROM 70 TO 2000 MM PLUGS****KORUMA KILIFI**

Part Number Ürün Kodu	Size Ebat	Weight Ağırlık (kg)	Part Number Ürün Kodu	Size Ebat	Weight Ağırlık (kg)
SAB50100	50 - 100	0.2	SAB200500	200 - 500	2.4
SAB70150	70 - 150	0.3	SAB300600	300 - 600	3.7
SAB100200	100 - 200	0.4	SAB375750	375 - 750	6.0
SAB150300	150 - 300	0.6	SAB5001000	500 - 1000	8.0
SAB200400	200 - 400	1.8	SAB6001200	600 - 1200	12

These heavy-duty protective sleeves are ideally suited for rental operations by considerably extending life of the pipe plugs. They also offer additional puncture resistance protection from damage caused by sharp objects in the pipe. Sleeves are very easy to install. Regard to the technical data, the sleeves are made on specific options necessary for the plugs. The diameter range 50-2000 mm.

**HAND PUMP
AYAK POMPASI****HAND PUMP ADAPTOR
EL POMPASI ADAPTÖRÜ**

* Part Number : HP01

* Ürün Kodu: HP01



* Part Number / Ürün Kodu: HPA01

AIR TEST ADAPTER**HAVA İLE TEST ADAPTÖRÜ**

Part Number Ürün Kodu	Thread Dişi (inch)	Description Türü (inch)
ATA12	1/4"	2 x 1/4"
ATA20	1/2"	2 x 1/4"
ATA30	1"	2 x 1/4"
ATA50	2"	2 x 1/4"
ATA100	4"	2 x 1/4"
ATA150	6"	2x1"

ACCESSORIES**AKSESUARLAR****INFLATION CONTROLLER****BASINÇ KONTROL KUMANDASI**

Part Number Ürün Kodu	Description Basınç
C15	1,5
C25	2,5
C30	3,0
C60	6,0
C80	8,0

INFLATION HOSE**HAVA HORTUMU**

Part Number Ürün Kodu	Inner Diameter İç Çap (mm)	Length Uzunluk (m)
H1006	10	6
H1012	10	12

INFLATIONS HOSE COATED ROPE**TEKSTİL KAPLANMIŞ
HAVA HORTUMU**

Part Number Ürün Kodu	Inner Diameter İç Çap (mm)	Length Uzunluk (m)
HC1006	10	6
HC1012	10	12

ACCESSORIES**AKSESUARLAR****PUSHING STICK****İTME ÇUBUĞU**

Part Number Ürün Kodu	Push Rod İtme Çubuğu (m)
ST06	0,6
ST10	1
ST15	1,5
ST20	2

HAND PUMP EXTENSION HOSE**EL POMPASI UZATMA HORTUMU**

* Part Number : HPH01

* Ürün Kodu: HPH01

AIR AND WATER TEST ADAPTOR**HAVA VE SU İLE TEST ETME
KOLLEKTÖRÜ**

Part Number Ürün Kodu	Thread Dişi (inch)
AWT30	1"
AWT50	2"
AWT75	3"
AWT100	4"
AWT150	6"

ACCESSORIES**AKSESUARLAR****WATER HOSE****SU HORTUMU**

Part Number Ürün Kodu	Thread Diği (inch)	Length Uzunluk (m)
WH30	1"	10
WH50	2"	10
WH75	3"	10
WH100	4"	10
WH150	6"	10

**HOSE WITH MANOMETER FOR
TEST WITH AIR****MANOMETRELİ HAVA İLE VEYA
SU İLE TEST HORTUMU**

Part Number Ürün Kodu	Length Uzunluk (m)
ATH1006	6
ATH1012	12

WATER GAUGE FOR WATER TEST**SU İLE TEST YAPMA ŞAMANDIRASI**

Part Number Ürün Kodu	Description Türü
FWT1	1/4"