

# BSM

WATER CONTROL SYSTEMS

For your future,  
We did not let  
the water flow...



## ABOUT US

Since 2004 year many worldwide leading companies and most Turkish companies which using easy repair clamp and pipe joining components are BSM clients . This company requirements of easy repair clamp and pipe joining components supply and using BSM products.

Any process is controlled within BSM, from the arrival and reception of raw materials to product outlet, according to ISO 9001 Quality Management System which is certificated concerning the company.



Easy repair clamps and pipe joining components besides the product quality and environmental management certificates . production controlled according to relevant product standards through internationally agreed product accredited certificates and hygiene convenience certificates, in addition to quality and environmental management certificates..



## STEEL REPAIR CLAMP WITH O-RING GASKET



## STEEL REPAIR CLAMP WITH O-RING GASKET



L - 210 mm



L - 310 mm



L - 425 mm

Steel repair clamp is used to repair cracks, breaks, holes and several damages occurred on any type of pipe (ASBESTOS-CTP-PVC-HDPE-Steel, Ductile, Cast). Besides, it is used instead of the sleeve by annulling it in case of sleeve leaking.

Extremities of the body's metal sheet are 3mm corrugated. This process prevents the seal to overflow from the body's metal sheet under high pressure and provides a better resistance to the body.



3mm folded

### TECHNICAL SPECIFICATIONS

Body and support metal sheets: AISI 304-316 Stainless steel

Bolts, nuts and washers: AISI 304 Stainless steel

Bolts are special Teflon coated against wrapping

Gasket: EPDM (-20° + 100°) water, waste water, acid

NBR (-30° + 90°) oil, petroleum, gas

	Ø63-207mm L - 210	Ø225-355mm L - 310	Ø370-700mm L - 425
Bolt	M 14 2x2	M 16 2x3	M 16 2x4
Nut	M 14	M 16	M 16
Body	1mm	1.2mm	1.5mm
Gasket	EPDM - NBR	EPDM - NBR	EPDM - NBR
Locking U	2.5mm	2.5mm	2.5mm
Side resistance	3mm	3mm	4mm
Side support L	2.5mm	2.5mm	3mm

Out of standard production is available for clamp lengths

DELIVERY WITHIN 24 HOURS IN EMERGENCY CASES

## SOCKET OUTLET SUBSCRIBER CONNECTED CLAMP

▶ SLEEVE OUTLET



It is used for taking outlet through the pipeline and for subscriber's connection. Broken outlet sleeve on ASBESTOS pipes is deselected and connection clamp is used instead.

▶ NIPPLE OUTLET



### TECHNICAL SPECIFICATIONS

Body and support metal sheets: AISI 304-316 Stainless steel  
 Bolts, nuts and washers: AISI 304 Stainless steel  
 Bolts are special Teflon coated against wrapping  
 Gasket: EPDM (-20° + 100°)  
 NBR (-30° + 90°)

## FLANGE OUTLET REPAIR CLAMP

▶ 45°



It is used for taking flanged outlet through the pipe line and to connect the valve or fitting materials.

▶ 90°



### TECHNICAL SPECIFICATIONS

Body and support metal sheets: AISI 304-316 Stainless steel  
 Bolts, nuts and washers: AISI 304 Stainless steel  
 Bolts are special Teflon coated against wrapping  
 Gasket: EPDM (-20° + 100°)  
 NBR (-30° + 90°)

## SINGLE BAND STEEL REPAIR CLAMP



### TECHNICAL SPECIFICATIONS

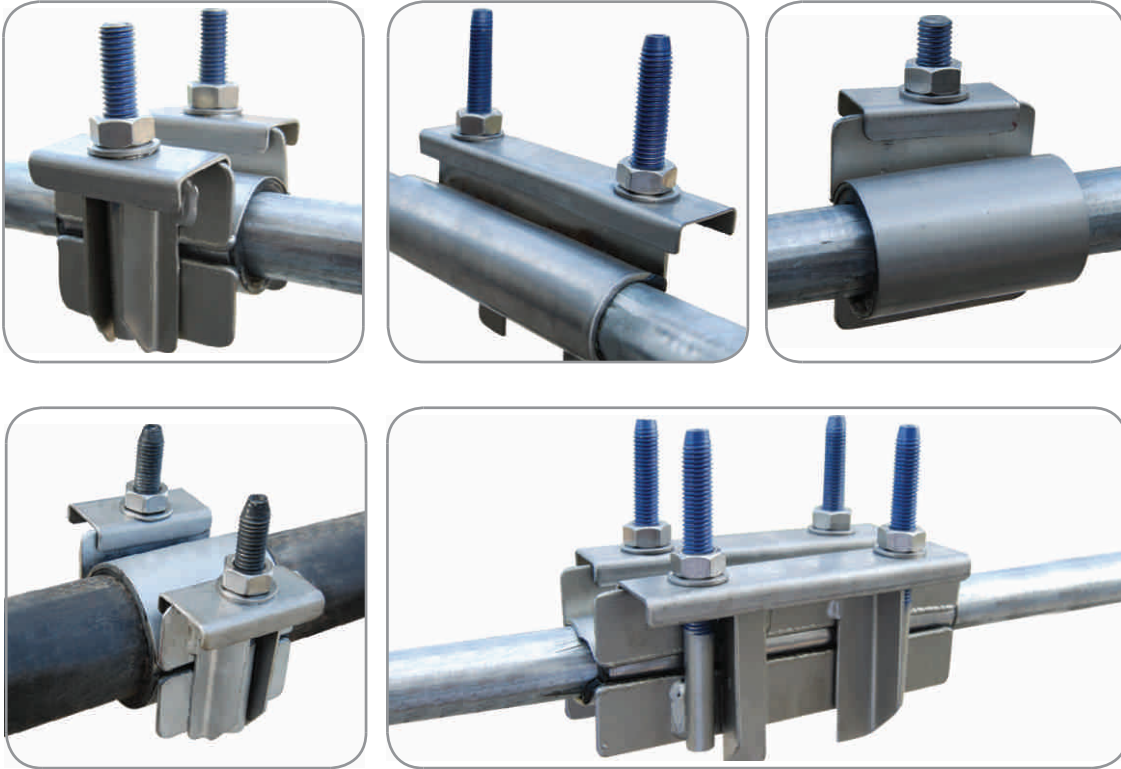
Body and support metal sheets: AISI 304-316 Stainless steel  
 Bolts, nuts and washers: AISI 304 Stainless steel  
 Bolts are special Teflon coated against wrapping  
 Gasket: EPDM (-20° + 100°) water, waste water, acid  
 NBR (-30° + 90°) oil, petroleum, gas



	Ø63-207mm L - 210	Ø225-355mm L - 310	Ø370-700mm L - 425
Bolt	M 14 2x2	M 16 2x3	M 16 2x4
Nut	M 14	M 14	M 16
Body	1mm	1.2mm	1.5mm
Gasket	EPDM - NBR	EPDM - NBR	EPDM - NBR
Locking U	2.5mm	2.5mm	2.5mm
Side resistance	3mm	3mm	4mm
Side support L	2.5mm	2.5mm	3mm

## EASY REPAIR CLAMP

It is designed for small sized pipes to handle minor problems such as minor leaking, crack or fissure for lines where no high pressure exists. It can be easily applied on Steel, HDPE, PVC, CAST IRON pipes.



### TECHNICAL SPECIFICATIONS

Body and support metal sheets: AISI 304-316 Stainless steel

Bolts, nuts and washers: AISI 304 Stainless steel

Bolts are special Teflon coated against wrapping

Gasket: EPDM (-20° + 100°)

NBR (-30° + 90°)

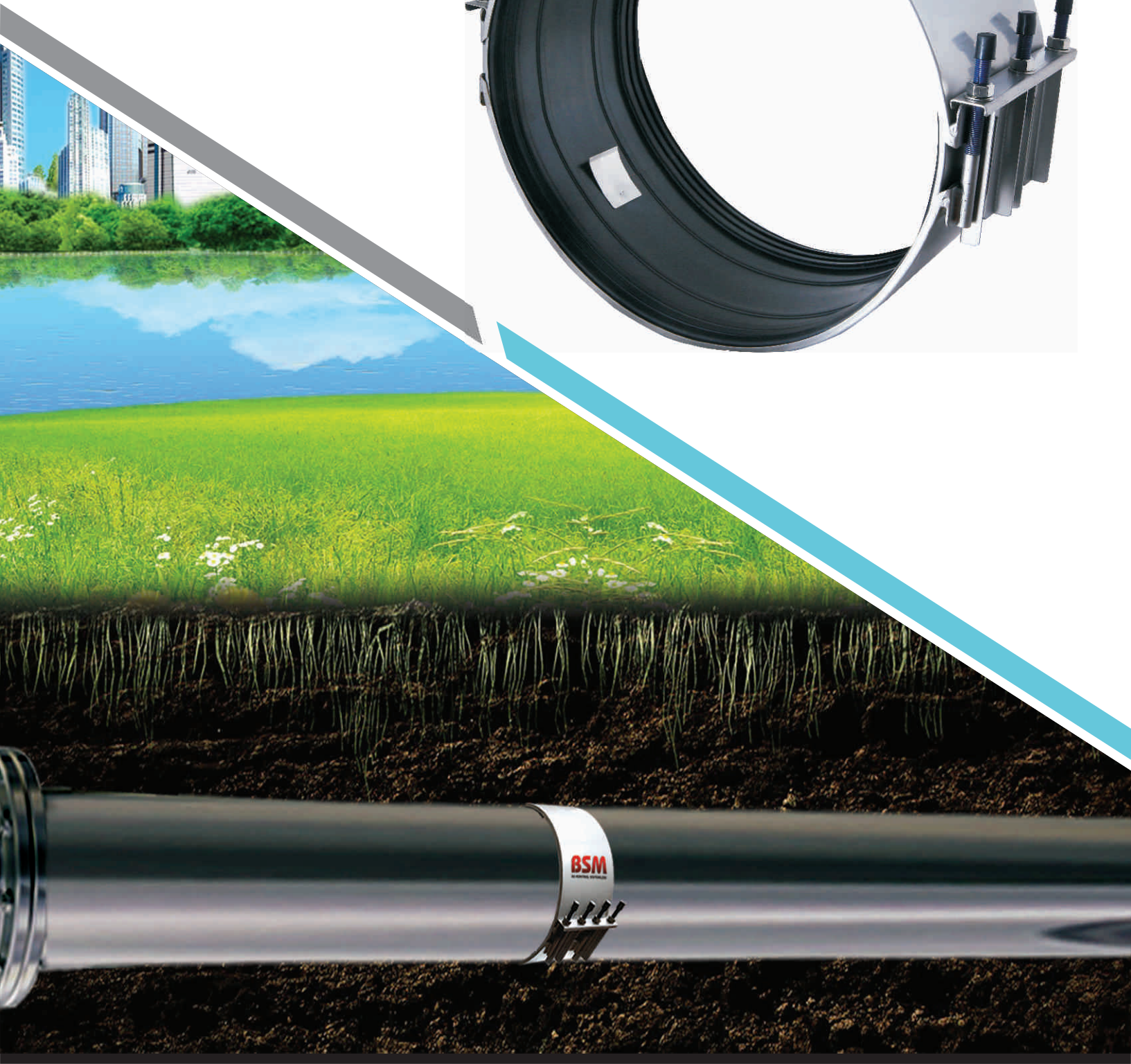
Clamps are manufactured as single band or double band tightening according to the customer's requirement.

PIPE DIAMETER	80 mm	160 mm
1"	√	√
1 1/4"	√	√
1 1/2"	√	√
2"	√	√
2 1/2"		√
3"		√
4"		√
5"		√

## STEEL REPAIR CLAMPS STANDARD CODING TABLE

CLAMP CODE	(mm) Operating Range		(mm) Clamp Size			BOLT QUANTITY	Gauge of Bolts to be used (MIN)	Tightening Style
	MIN	MAX	210	310	425			
ATK-32-	30	43	√			1X2	M14	Single Band
ATK-40-	40	52	√			1X2	M14	Single Band
ATK-50-	45	58	√			1X2	M14	Single Band
ATK-63-	60	73	√			2X2	M14	Double Band
ATK-75-	70	85	√			2X2	M14	Double Band
ATK-83-	78	93	√			2X2	M14	Double Band
ATK-90-	85	100	√			2X2	M14	Double Band
ATK-100-	95	110	√			2X2	M14	Double Band
ATK-110-	105	120	√			2X2	M14	Double Band
ATK-120-	115	130	√			2X2	M14	Double Band
ATK-125-	120	135	√			2X2	M14	Double Band
ATK-140-	135	150	√			2X2	M14	Double Band
ATK-149-	144	159	√			2X2	M14	Double Band
ATK-160-	155	170	√			2X2	M14	Double Band
ATK-176-	171	186	√			2X2	M14	Double Band
ATK-180-	175	190	√			2X2	M14	Double Band
ATK-200-	195	210	√			2X2	M14	Double Band
ATK-207-	202	217	√			2X2	M14	Double Band
ATK-225-	220	235		√		2X3	M16	Double Band
ATK-234-	229	244		√		2X3	M16	Double Band
ATK-250-	245	260		√		2X3	M16	Double Band
ATK-280-	275	290		√		2X3	M16	Double Band
ATK-288-	283	298		√		2X3	M16	Double Band
ATK-315-	310	325		√		2X3	M16	Double Band
ATK-344-	339	354		√		2X3	M16	Double Band
ATK-355-	350	365		√		2X3	M16	Double Band
ATK-400-	395	410			√	2X4	M16	Double Band
ATK-450-	445	460			√	2X4	M16	Double Band
ATK-456-	451	466			√	2X4	M16	Double Band
ATK-500-	495	510			√	2X4	M16	Double Band
ATK-512-	507	522			√	2X4	M16	Double Band
ATK-530-	525	540			√	2X4	M16	Double Band
ATK-560-	550	570			√	2X4	M16	Double Band
ATK-568-	563	578			√	2X4	M16	Double Band
ATK-610-	605	620			√	2X4	M18	Double Band
ATK-630-	625	640			√	2X4	M18	Double Band
ATK-676-	671	686			√	2X4	M18	Double Band
ATK-710-	705	720			√	2X4	M18	Double Band
ATK-792-	787	802			√	2X4	M18	Double Band
ATK-800-	795	810			√	2X4	M18	Double Band
ATK-900-	895	910			√	2X4	M18	Double Band
ATK-1000-	995	1010			√	2X4	M18	Double Band
ATK-1012-	1007	1022			√	2X4	M18	Double Band
ATK-1124-	1119	1134			√	2X4	M18	Double Band
ATK-*-	√	√			√	√	√	√

## BOLT HEAD COUPLING SLEEVES



## BOLT HEAD COUPLING SLEEVE (PIPE JOIN FITTINGS)

BSM Coupling Sleeve is an join component which easily balances angle deviations on pipes (ASBESTOS, HDPE, PVC, CTP, DUCTILE, CAST IRON, etc.) and which has high performance on the assembly of high pressure lines and the repair of sleeve leaking.

Advantages here are less labor, more rapid join , time and economic saving provided as the result.



### TECHNICAL SPECIFICATIONS

Body and support metal sheets: AISI 304-316 Stainless steel

Bolts, nuts and washers: AISI 304-316 Stainless steel

Bolts are special Teflon coated against wrapping

Gasket: EPDM (-20° + 100°)

- » Safe use on pressurized lines
- » Simple and rapid joining facility
- » High tightness
- » Does not require specific tools
- » Reutilization property
- » It tolerates elevation difference (+5 mm) between two pipes due to its specifically designed internal seal which provides tightness

### Available Connection Width:

Body Width:

- » 140 mm
- » 210 mm
- » 310 mm
- » 410 mm
- » 500 mm

## ALLEN COUPLING SLEEVE (FAULT KIT)



## ALLEN COUPLING SLEEVE (PIPE JOIN FITTINGS)

BSM Coupling Sleeve is an join component which easily balances angle deviations on pipes (ASBESTOS, HDPE, PVC, CTP, DUCTILE, CAST IRON, etc.) and which has high performance on the joining of high pressure lines and the repair of sleeve leaking.

Advantages here are less labor, more rapid join time and economic saving provided as the result.

- » Safe use on pressurized lines
- » Simple and rapid joiny facility
- » High tightness
- » Does not require specific tools
- » Reutilization property
- » It tolerates elevation difference (+5 mm) between two pipes due to its specifically designed internal seal which provides tightness

### TECHNICAL SPECIFICATIONS

Body and support metal sheets: AISI 304-316 Stainless steel

Bolt: Dacromat 500 coated Steel

AISI 304 Stainless steel

AISI 316 Stainless steel

Gasket: EPDM (-20°+ 100°)

### Available Connection Width:

Body Width:

- » 140 mm
- » 210 mm
- » 310 mm
- » 410 mm
- » 500 mm



## HDPE CLAW COUPLING SLEEVE

It is used on the join and repair of HDPE pipes.

### TECHNICAL SPECIFICATIONS

Body and support metal sheets: AISI 304-316 Stainless steel  
Bolt: Dacromat 500 coated Steel  
AISI 304 Stainless steel  
AISI 316 Stainless steel  
Gasket: EPDM (-20°+ 100°)

### Available Connection Width:

Body Width:

- » 140 mm
- » 210 mm
- » 310 mm
- » 410 mm
- » 500 mm



## HINGED COUPLING SLEEVE

### TECHNICAL SPECIFICATIONS

Body and support metal sheets: AISI 304-316 Stainless steel  
Bolt: Dacromat 500 coated Steel  
AISI 304 Stainless steel  
AISI 316 Stainless steel  
Gasket: EPDM (-20°+ 100°)

Body Width 140 mm



## COUPLING SLEEVE TOP FAULT KIT

(For ASBESTOS and Ductile Cast Iron Pipes)

It is used on the repair of leaking occurred on sleeves of ASBESTOS and Ductile Cast Iron Pipes.

There is no need to repair by breaking the sleeve.  
The whole problem can be solved by joining the kit on top of the sleeve.



## PIPE JOINING ADAPTERS

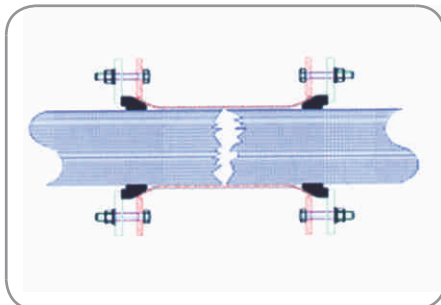


Pipe joining adapters are used to connect two pipes made from the same or different material and which external diameters are within performance tolerance.

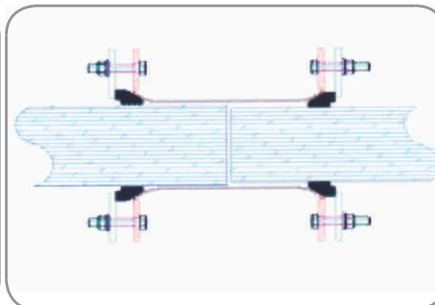
» Pipe assembly adapters tolerate angle diversions of 5° between two pipes.

### TECHNICAL SPECIFICATIONS

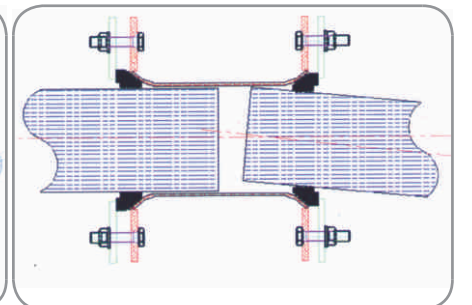
Body	: DKP
Flanges	: ST 37
Gasket	: EPDM
Bolts and Nuts	: Galvanized steel
Coating	: Electrostatic epoxy paint



» There is no need for grinding pipe extremities



» Performance tolerance connects to pipes with different diameters



» It tolerates elevation difference between two pipes

## REDUCING PIPE JOINING ADAPTERS

They are used to connect pipes which have different internal and external diameters.

- » Do not require any specific tool or preparation
- » Completely tighten axially and homogenously
- » Joining pipes with different diameters within performance tolerance
- » Pipes can be made from different raw materials..

### TECHNICAL SPECIFICATIONS

Body	: DKP
Flanges	: ST 37
Gasket	: EPDM
Bolts and Nuts	: Galvanized steel
Coating	: Electrostatic epoxy paint



### TECHNICAL SPECIFICATIONS

Body	: DKP
Flanges	: ST 37
Gasket	: EPDM
Bolts and Nuts	: Galvanized steel
Covering	: Electrostatic epoxy paint

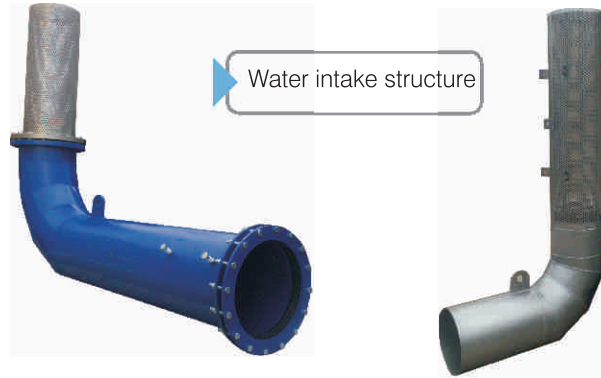


## SPECIFIC PRODUCTS

They are used to join the existing pipe (regardless the pipe's type and diameter) to another pipeline.

### TECHNICAL SPECIFICATIONS

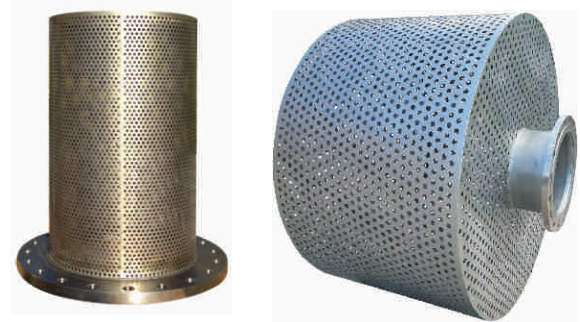
Body	: DKP
Flanges	: ST 37
Gasket	: EPDM
Bolts and Nuts	: Galvanized steel
Covering	: Electrostatic epoxy paint



Stainless pipe assembly adapters



Stainless Crepine



### TECHNICAL SPECIFICATIONS

Body	: AISI 304-316 Stainless steel
Flanges	: AISI 304-316 Stainless steel
Bolts, Nuts and Washers	: AISI 304 Stainless steel
Bolt is special Teflon coated against wrapping	

Body	: AISI 304-316 Stainless steel
Flanges	: AISI 304-316 Stainless steel

Stainless pipe join adapters are resistant to corrosion and can be used in many environments without requiring any additional surface treatment.



**COMMERCIAL PRODUCTS**

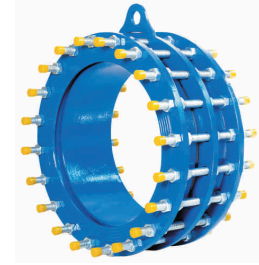


SLIDING VALVE



Diameter	Pressure
DN 150-2500	PN 10-40

BUTTERFLY VALVE



Diameter	Pressure
DN 100-2500	PN 10-40

DEMONTAGE COMPONENT



Diameter	Pressure
DN 100-1400	PN 10-25

TILTING CHECK VALVE



Diameter	Pressure
DN 200-1200	PN 10-40

AXIAL SPRING CHECK VALVE



Diameter	Pressure
DN 25-250	PN 10-40

NON-IMPACT DYNAMIC SUCKER



Diameter	Pressure
DN 200-1600	PN 10-40

NEEDLE VALVE



	Diameter	Pressure
NODULAR VALVE	DN 40-300	PN 6-10-16
STAINLESS VALVE	DN 40-600	PN 6-10-16

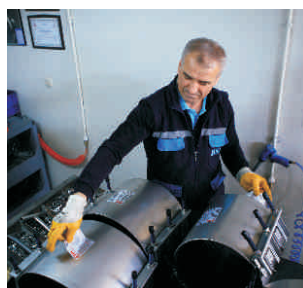
WAFER BUTTERFLY VALVE



Diameter	Pressure
DN 40-2000	PN 6-40

STEEL FLANGE

## PRODUCTION



## APPLICATIONS



## WHY BSM?



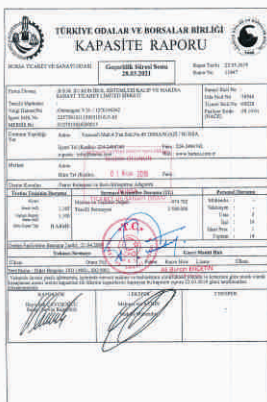
Embracing our body, source of life, assume of our existence water is not only nowadays but also for tomorrows priceless value, protect with awareness and carry to the future should be assumed as a universal responsibility

Nowadays many companies, smallest to the largest ones, make actually an effort to protect their products, values and services from malicious initiative. Many preventions are taken in this sense and alternate applications are diversified every day together with the developing technology. BSM has always aimed innovations and developments in this sector where it takes part since 2004, and it has immediately answered to sectorial requirements through its large production range capacity. You should trust us completely easy repair clamps and pipe joining components.

**Quality Policy :** Our Quality Policy is to keep the customer satisfaction by continuously improve our product quality in the field of easy repair clamps , water control systems and pipe joining components intended both for the public and the private sector establishments .Become a permanently favored company in the sector without deviating from our reliability and principles, to be a permanent solution partner for our customers by creating alternative and rapid solutions for them; to respect and follow rules of our quality management system to reach our objectives and to permanently improve our system.

**Environmental Policy:** Our Environmental Policy is, while realizing our activities concerning the production of water joining components and easy repair clamps , to determine size and impacts of environmental problems which occur during the company's activities; to eliminate or minimize environmental damages resulting from these impacts. Respect and follow the current laws and regulations, administrative directives and legal conditions related with the environment. Provide the environmental consciousness to customers, suppliers, employees and other related parties and to minimize the consumption of and save the energy and other natural resources which are most efficiently used in all activities. Our main goal and objective is to respect the environment and to implement a sustainable environmental management system to leave a good and livable environment to future generations.

## CERTIFICATES



## PIPE SIZES

NOMINAL SIZES		VARIOUS PIPE SIZES				ASBESTOS PIPE							EXTERNAL DIAMETER	
DN	INCH	STEEL	CTP	CAST	D.CAST	2.5 bar	5 bar	7.5 bar	10 bar	12.5 bar	15 bar	17.5 bar	HDPE	HDPE
15	1/2"	21.3											20	20
20	3/4"	26.9											25	25
25	1"	33.7											32	32
32	1 1/4"	42.4											40	40
40	1 1/2"	48.3											50	50
50	2"	60.3											63	63
60				77		83	83	83	83	83			90	90
65	2 1/2"	76.1			82								110	110
80	3"	88.9		98	98	100	100	100	100	100	106	106	125	125
100	4"	114.3		118	118	120	120	120	120	126	132	132	140	140
125	5"	139.7		144	144	145	145	145	149	153	159	163	160	160
150	6"	168.3		170	170	170	170	174	176	182	190	194	180	180
175				196		197	197	201	207	213	219	223	200	200
200	8"	219.1	220	222	222	222	226	230	234	244	252	256	225	225
225				248									250	250
250	10"	273	272	274	274	274	276	284	288	298	306	310	280	280
275				300									315	315
300	12"	323.9	324.3	326	326	326	330	338	344	356	366	370	355	355
325				352									400	400
350	14"	355.6	376.1	378	378	378	382	390	400	414	426	430	450	
375				403									500	
400	16"	406.4	427.1	429	429	436	440	446	456	472	490	496	560	
450	18"	473	473	480	480	488	492	500	512	526	546	550	630	
500	20"	508	530.1		532	540	544	552	568	584	604	610	710	
600	24"	610	617-633*		635	642	650	660	676	692	710	720	800	
700	28"	711	718.3		738	760	760	770	792	808			900	
800	32"	813	819.9		842	864	864	876	900	924			1000	
900	36"	914	924.1		945	972	972	984	1012	1040			1200	
1000	40"	1016	1026.1		1048	1080	1080	1096	1124	1158			1400	
1100	44"		1125		1152									
1200	48"	1220	1228.8		1255									
1400	56"	1420	1433.6		1462									
1500	60"		1535.6		1565									
1600	64"	1620	1637.6		1668									
1800	72"	1820	1841.7											
2000	80"	2020	2046											
2200	88"	2220	2252											
2400	96"	2420	2453											

\* SUBOR CTP PIPE is manufactured as 617 mm and SUPERLIT CTP PIPE as 633 mm

**REMARK:** HDPE and PVC pipe sizes are directly described as external diameter sizes. NOMINAL (DN) sizes do not exist as observed on pipes.



**BSM**  
WATER CONTROL SYSTEMS

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