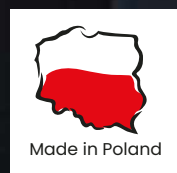


C A T A L O G

2025

Chimney systems

— Steel chimneys



Modern chimneys and liners

Contents

➤ Jawar Smooth	02
➤ Jawar Lite	07
➤ Jawar Aero	10
➤ DW insulated chimneys	13
➤ Chimney liners	19
➤ Oval chimney liners	25
➤ Air-gas systems	28
➤ Condensing chimney liners	29
➤ TURBO system	31
➤ Flexible chimney liners	33

Jawar Smooth

JAWAR Smooth is a chimney that is both a decoration and an emphasis on the character of the interior. Thanks to the use of innovative technology, the connections of individual elements are practically invisible, and the black painted surface gives the chimney a unique look. JAWAR Smooth is an insulated internal chimney for fireplaces that ensures both safety and a perfect interior appearance.

PN-EN 1856-1:2009 T600 NI W Vm 50050 G50

Recommended for wooden houses



- Inner pipe made of acid-proof stainless steel grade 316L thickness 0,5mm-0,6mm,
- Outer pipe made of stainless steel 304 thickness 0,6mm,
- Outer pipe black powder painted, other colors available,
- Invisible outer pipe connections made in the "Smooth" technology,
- Insulation made of ceramic fibers, thickness 50mm, fire resistance of up to 1260°C
- Working temperature: up to 600°C,
- Operation in dry conditions,
- Operation in underpressure,
- Mounted inside or outside of the house,
- Wide range of diameters,
- Easy and fast installation,
- Low heat capacity,
- High gas tightness,
- Highest fire safety,
- Distance to burnable materials: 50mm in open space.

- ① Base plate with brackets
- ② Connection tee
- ③ Pipe

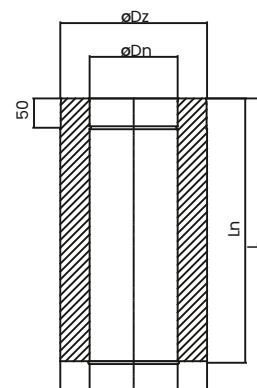
- ④ Wall support with brackets
- ⑤ Rain cap with inspection
- ⑥ Cover rosette

- ⑦ Roof support
- ⑧ Roof duct

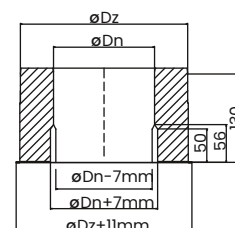
Jawar Smooth



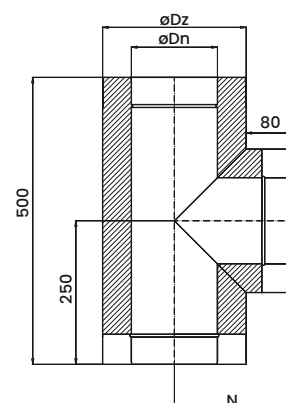
Pipe IRSM				
$\phi D_n/D_z$ [mm]	130/225	150/250	180/280	200/300
L1000	Ln=950			
L500	Ln=450			
L250	Ln=200			



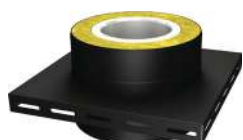
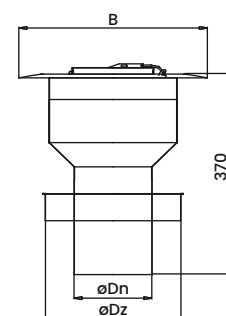
Start element IESM				
$\phi D_n/D_z$ [mm]	130/225	150/250	180/280	200/300



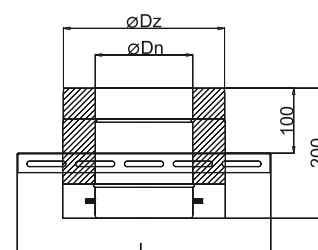
Tee 90 ITSM90				
$\phi D_n/D_z$ [mm]	130/225	150/250	180/280	200/300
N	192	205	220	230



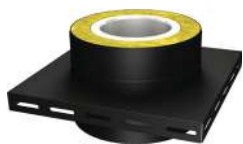
Rain cap with inspection INDSMR				
$\phi D_n/D_z$ [mm]	130/225	150/250	180/280	200/300
ϕB	350	350	375	375



Base plate with hook IPPP4SZM				
$\phi D_n/D_z$ [mm]	130/225	150/250	180/280	200/300
L	365	390	420	440

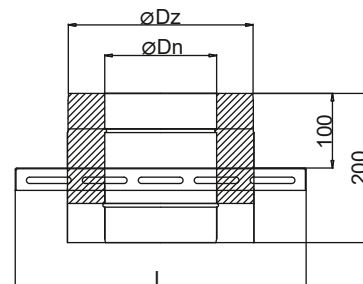


Jawar Smooth



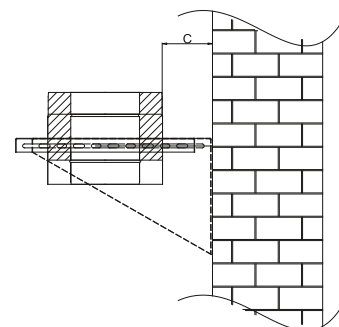
Base plate Smooth IPPP4SM

øDn/Dz [mm]	130/225	150/250	180/280	200/300
L	365	390	420	440



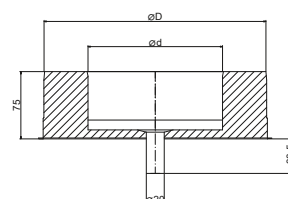
Brackets for base plate

IPPP4SM				
øDn/Dz [mm]	130	150	180	200
C	IWSP A			
70-125	II	II	III	III
125-200	III	IV	IV	IV
200-275	IV	IV	IV	IV
275-350	IV	V	V	V



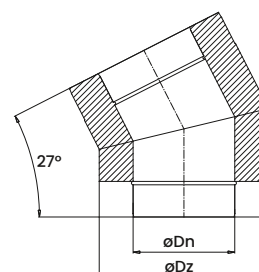
Condensate tray IODSSM

øDn/Dz [mm]	130/225	150/250	180/280	200/300
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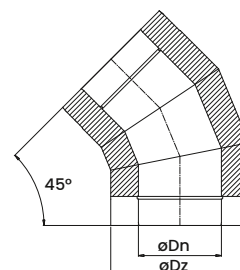
Elbow 27 IKSM27

øDn/Dz [mm]	130/225	150/250	180/280	200/300
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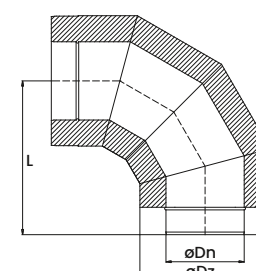
Elbow 45 IKSM45

øDn/Dz [mm]	130/225	150/250	180/280	200/300
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Elbow 90 IKSM90

øDn/Dz [mm]	130/225	150/250	180/280	200/300
L	285	295	310	320



Jawar Smooth – Accessories



Rain collar

Product code: IKPNL



Wall supports with brackets painted

Product code: IOSWSM



Ceiling duct insulation LVE

Product code: LVE



Locking band strengthened

Product code: IOWSM



Telescope Smooth

Product code: ITESZM



Flat locking band painted

Product code: AOZM



Roof duct

Flexible: Product code: DSR
Rigid: Product code: IPDM



Sub-roof bushing round

Product code: IBKFOM



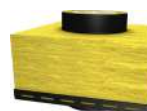
Two-part round rosette

Product code: WRMNAM



Roof support

Product code: IOPDSF



Start set

Product code: ISSSM



Side installation console

Product code: ZPBSM



Vapour barrier membrane

Product code: DSM

Jawar Smooth – Design guidelines

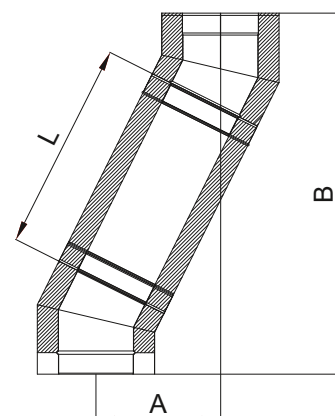
Jawar Smooth weight per 1 meter

ø Dn/Dz [mm]	130/225	150/250	180/280	200/300
[kg]	8,70	9,70	11,2	12,5



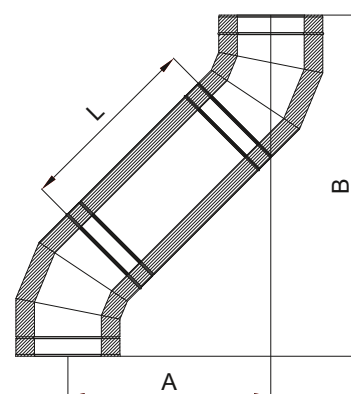
Offset 2 x IKSM27* + IRSM (0; 0,25; 0,5; 1,0)

Diameter/offset [mm]		Ø 130	Ø 150	Ø 180	Ø 200
L=0mm	A	91	93	96	99
	B	436	447	460	471
L=250mm	A	179	183	186	191
	B	614	625	638	654
L=500mm	A	291	294	297	300
	B	836	850	862	875
L=1000mm	A	514	517	520	523
	B	1282	1297	1309	1320



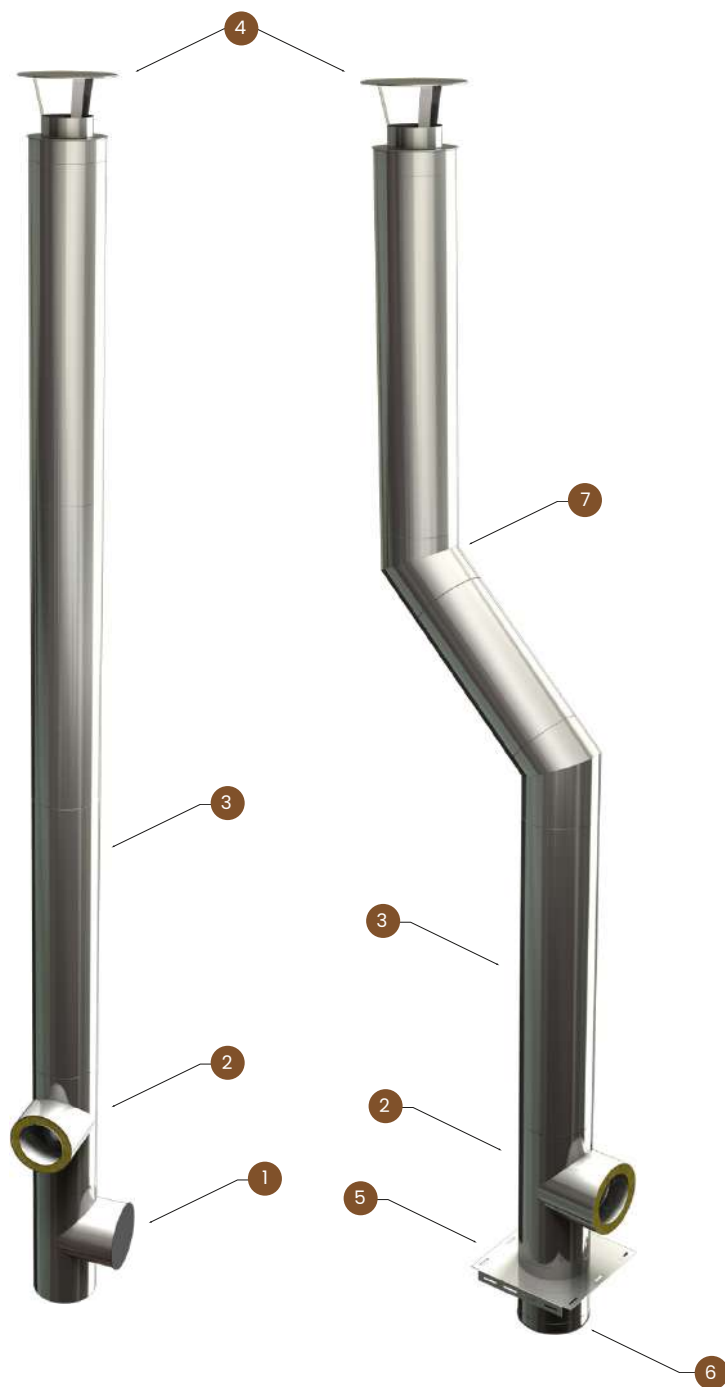
Offset 2 x IKSM45* + IRSM (0; 0,25; 0,5; 1,0)

Diameter/offset [mm]		Ø 130/225	Ø 150/250	Ø 180/280	Ø 200/300
L=0mm	A	208	219	228	231
	B	550	579	600	605
L=250mm	A	348	361	369	372
	B	690	720	742	746
L=500mm	A	526	537	546	550
	B	868	897	918	932
L=1000mm	A	878	891	900	905
	B	1220	1246	1272	1275



Jawar Lite

JAWAR Lite is a chimney that is lightweight, easy to install and is a great product wherever a quick and efficient solution to the problem of exhaust gas removal is needed. Thanks to the use of innovative technology, the connections of individual elements are practically invisible, and the use of high quality steel ensures the durability of the system. JAWAR Lite is an insulated acid-resistant chimney for fireplaces, stoves and boilers, which ensures efficient and safe exhaust gas removal.



- Inner wall made of acid-resistant steel grade 444, thickness 0,5mm
- Outer wall made of stainless steel grade 430, thickness 0,5mm
- Outer wall connections manufactured using the "Smooth" technology
- Ceramic fiber insulation, thickness 25mm
- Temperature of operation: max 450°C
- Operation in dry and wet conditions
- Operation in underpressure
- Installation possible inside and outside of a building
- Easy and fast installation
- Low heat capacity
- High gas-tightness
- Distance to burnable materials: 100mm

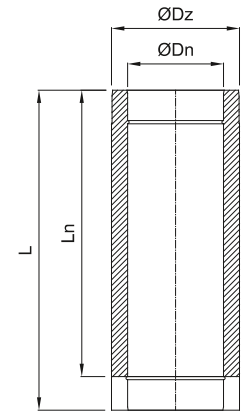
- ① Inspection LW
- ② Connection tee LT
- ③ Pipe LR

- ④ Rain cap LDP
- ⑤ Transitional plate LPPP
- ⑥ Condensate tray LODS

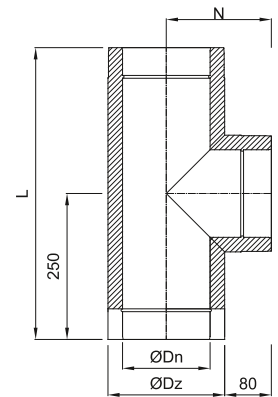
- ⑦ Elbow 45° LK45°



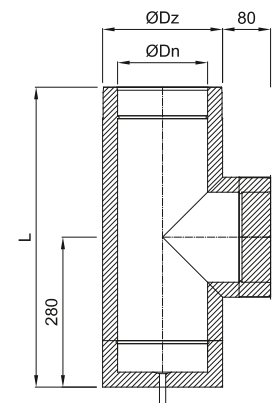
	Pipe LR		
$\varnothing D_n/D_z$ [mm]	150/200	180/225	200/250
L=1000	L _n =950		
L=500	L _n =450		
L=250	L _n =200		



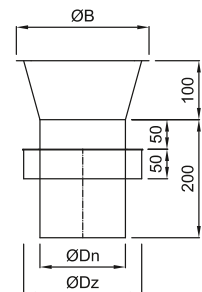
	Tee LT90°		
$\varnothing D_n/D_z$ [mm]	150/200	180/225	200/250
L	500	500	500
N	180	192	205



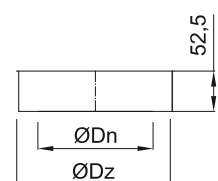
	Inspection LW		
$\varnothing D_n/D_z$ [mm]	150/200	180/225	200/250
L	530	530	530



mm	Rain cap LDP		
$\varnothing D_n/D_z$	150/200	180/225	200/250
ØB	225	250	275
ØD _n	145	175	195
ØD _z	200	225	250



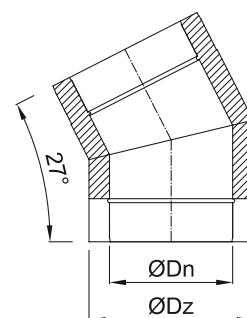
	Insulation cover LEND		
$\varnothing D_n/D_z$ [mm]	150/200	180/225	200/250





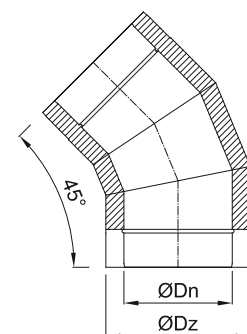
Elbow 27° LK27

øDn/Dz [mm]	150/200	180/225	200/250
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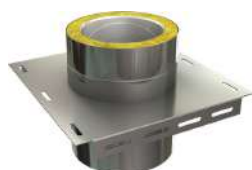
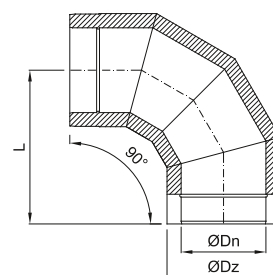
Elbow 45° LK45

øDn/Dz [mm]	150/200	180/225	200/250
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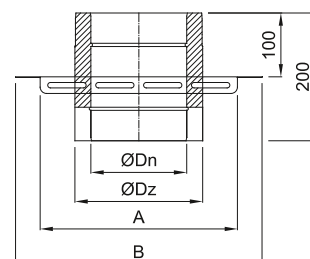
Elbow 90° LK90

øDn/Dz [mm]	150/200	180/225	200/250
L	272	283	297



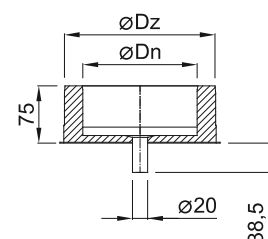
Transitional plate LPPP

øDn/Dz [mm]	150/200	180/225	200/250
A	260	290	385
B	335	365	465



Condensate tray LODS

øDn/Dz [mm]	150/200	180/225	200/250
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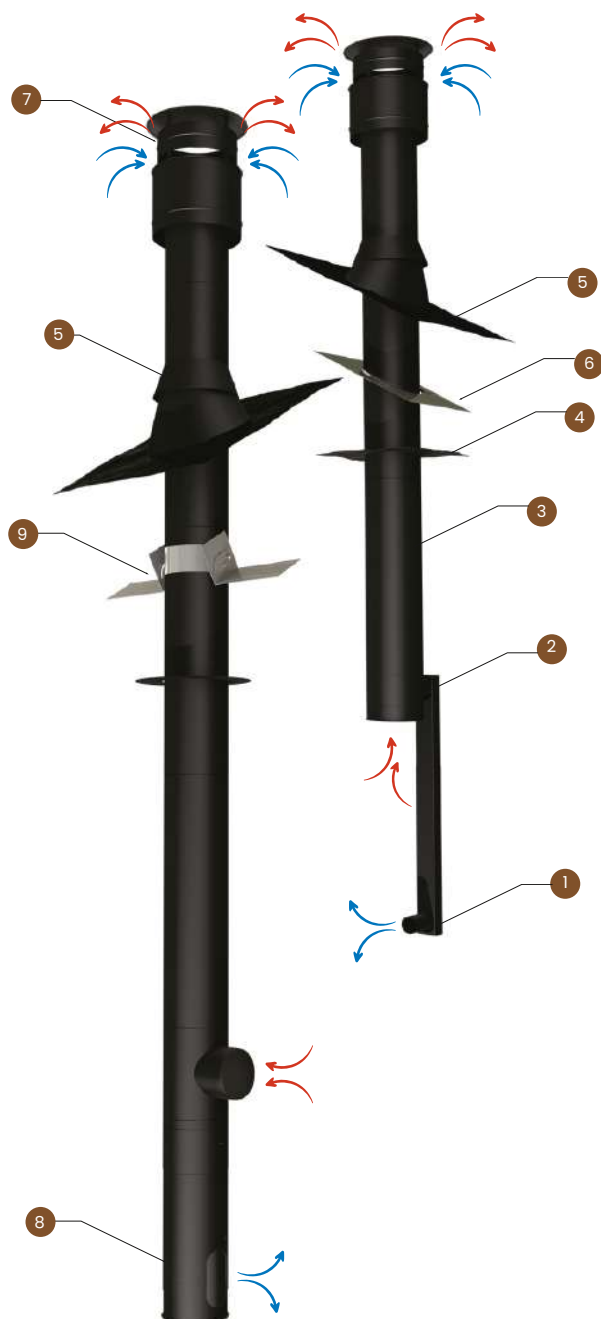


Jawar Aero

JAWAR Aero is a chimney that is both a decoration and an emphasis on the character of the interior. Thanks to the use of innovative technology, the connections of individual elements are practically invisible, and the black painted surface gives the chimney a unique look. JAWAR Aero ensures safe flue gas removal from the fireplace, as well as supplies air for combustion. It is an insulated internal chimney for fireplaces that provides both safety, efficient work and a perfect interior appearance.

PN-EN 1856-1:2009 T450 NI D Vm 50050 G50

Recommended for wooden houses



- Inner pipe made of acid-proof stainless steel grade 316L thickness 0,5mm-0,6mm,
- Middle pipe made of stainless steel grade 304 thickness 0,5mm,
- Outer pipe made of stainless steel 304 thickness 0,6mm,
- Outer pipe black powder painted, other colors available,
- Invisible outer pipe connections made in the "Smooth" technology
- Insulation made rockwool – thickness 30mm,
- Additional airchannel,
- Working temperature: up to 450°C,
- Operation in dry conditions,
- Operation in underpressure,
- Mounted inside the house,
- Wide range of diameters,
- Easy and fast installation,
- Low heat capacity,
- High gas tightness,
- Highest fire safety,
- Distance to burnable materials: 50mm in open space.

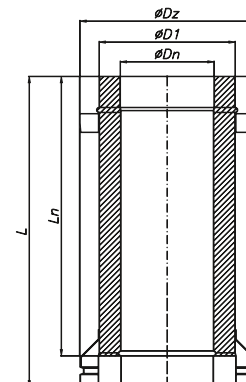
- ① Air supply connection
- ② Top start section
- ③ Pipe

- ④ Cover rosette
- ⑤ Roof duct
- ⑥ apour barrier membrane

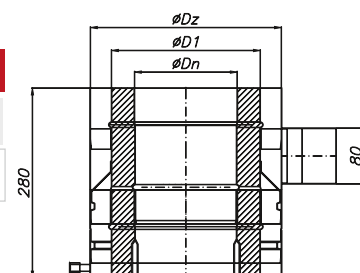
- ⑦ Weathering raincap with inspection
- ⑧ Side installation console
- ⑨ Roof support



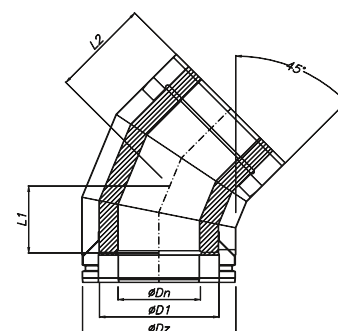
Pipe ARM			
øDn/Dz [mm]	130/250	150/280	180/300
øD1	190	220	240
L1000	L=950		
L500	L=450		
L250	L=200		



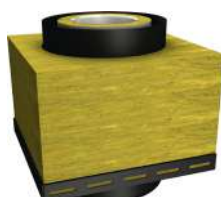
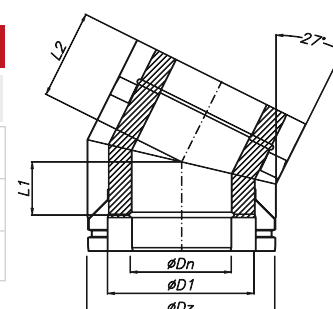
Top start section AZGM			
øDn/Dz [mm]	130/250	150/280	180/300
øD1	190	220	240



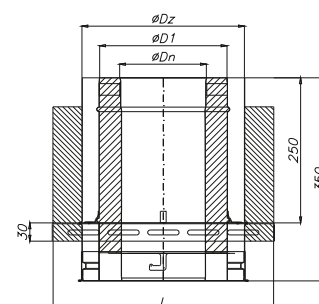
Elbow 45 AEKM45			
øDn/Dz [mm]	130/250	150/280	180/300
øD1	190	220	240
L1	120	125	130
L2	175	180	185



Elbow 27 AEKM27			
øDn/Dz [mm]	130/250	150/280	180/300
øD1	190	220	240
L1	76	79	82
L2	130	133	136



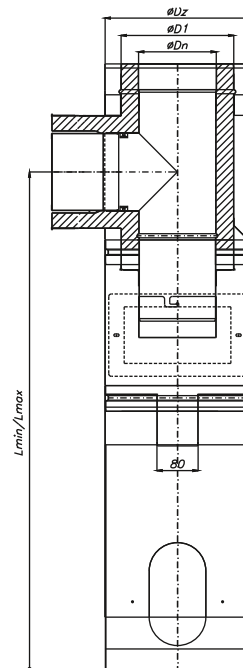
Aero start set Aero ASS V1			
øDn/øDz [mm]	130/250	150/280	180/300
øD1	190	220	240
L	350x350	380x380	400x400





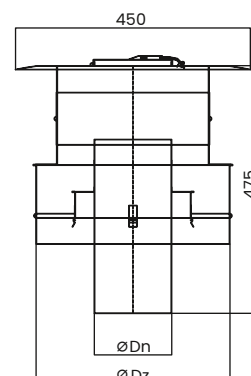
Side installation console AZBM

$\phi D_n/D_z$ [mm]	130/250	150/280	180/300
ϕD_1	190	220	240
Lmin	885		
Lmax	975		

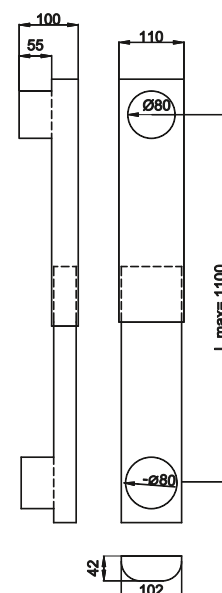


Weathering raincap with inspection ANKRM

ϕD_n [mm]	130	150	180
ϕD_z [mm]	350	370	400

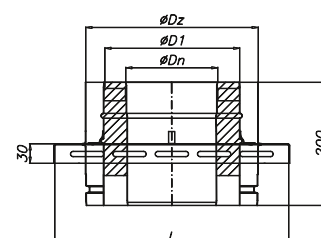


Air supply connection set APPMV2



Transitional base plate APPPM

$\phi D_n/D_z$ [mm]	130/250	150/280	180/300
ϕD_1	190	220	240
L	350x350	380x380	400x400

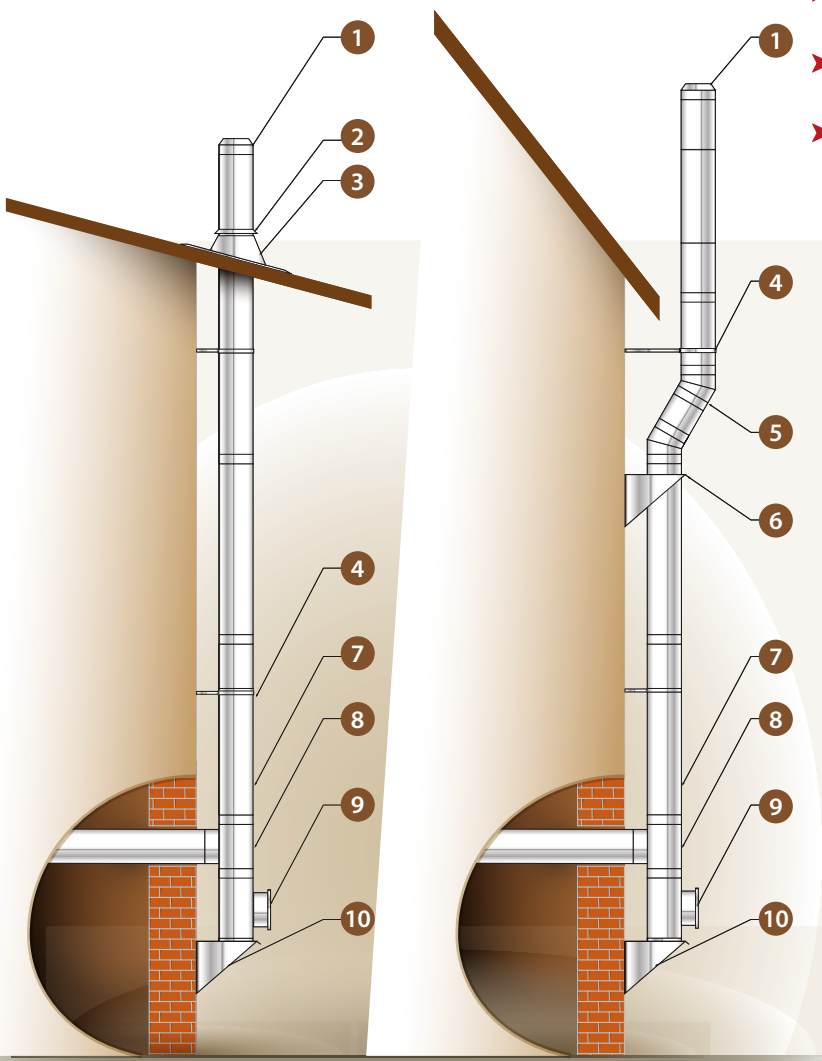


DW insulated chimneys

JAWAR I system is used as an external chimney to remove gases from heating devices in residential and non-residential buildings. It can be installed on a support plate mounted to the building wall or on a foundation base.

Examples of chimney installations

- External chimney for residential and industrial buildings
- Wide range of elements and diameters
- Easy and fast installation
- Low heat capacity
- High gas tightness



JAWAR I

- Inner pipe made of acid-proof stainless steel grade 316L thickness 0,5mm-1,0mm,
- outer pipe made of stainless steel grade 304 thickness 0,6mm
- gas, oil, wood, pellets
- dry and wet operation
- underpressure operation
- working temperature up to 600°C

- ① Mouth ending
- ② Rain collar
- ③ Roof duct

- ④ Wall support
- ⑤ Elbow
- ⑥ Transitional plate

- ⑦ Pipe
- ⑧ Tee
- ⑨ Inspection

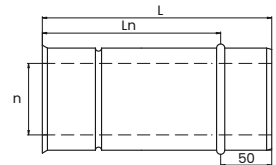
- ⑩ Base plate

DW insulated chimneys

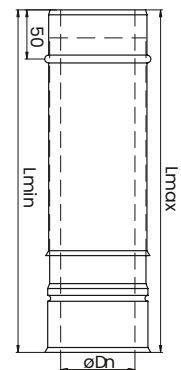
Inner pipe made of acid-proof stainless steel grade 316L thickness 0,5mm-0,6mm, outer pipe made of stainless steel 304 thickness 0,6mm.



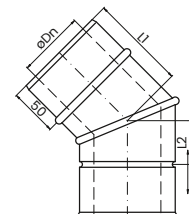
	Pipe IR, IRK												
ØD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
L=1000 [mm]	Ln=950												
L=500 [mm]	Ln=450												
L=250 [mm]	Ln=200												



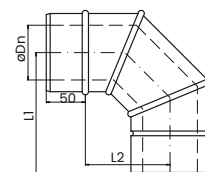
	Telescope ITE, ITEK												
ØD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
Lmin. [mm]	320												
Lmax. [mm]	520												



	Elbow 45 IK, IKK												
ØD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
L1 [mm]	135	140	-	145	150	-	172	-	177	181	-	191	200
L2 [mm]	85	90	-	95	100	-	122	-	127	131	-	141	150



	Elbow 90 IK, IKK												
ØD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
L1 [mm]	221	231	-	244	244	-	296	-	311	321	-	246	371
L2 [mm]	171	181	-	194	194	-	246	-	261	271	-	296	321



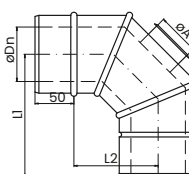
DW insulated chimneys

Inner pipe made of acid-proof stainless steel grade 316L thickness 0,5mm-0,6mm, outer pipe made of stainless steel 304 thickness 0,6mm.



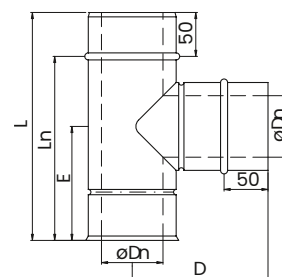
Elbow 90 with inspection IKR, IKRK

øD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
L1 [mm]	-	236	-	244	244	-	257	-	272	282	-	307	332
L2 [mm]	-	186	-	194	194	-	207	-	222	232	-	257	282
A [mm]	-	100	-	100	100	-	100	-	150	150	-	150	200



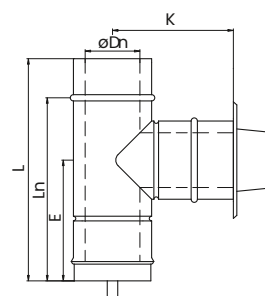
Tee 90 IT, ITK

øD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
E [mm]	163	163	-	163	163	-	163	-	250	250	-	250	250
L [mm]	333	333	-	333	333	-	333	-	500	500	-	500	500
D [mm]	170	180	-	190	190	-	205	-	220	230	-	255	280
Ln [mm]	283	283	-	283	283	-	283	-	450	450	-	450	450



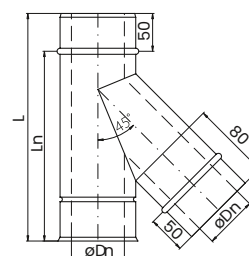
Inspection IW, IWK

øD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
E [mm]	213	213	-	213	213	-	213	-	300	300	-	300	300
L [mm]	383	383	-	383	383	-	383	-	550	550	-	550	550
D [mm]	170	180	-	190	190	-	205	-	220	230	-	255	280
Ln [mm]	333	333	-	333	333	-	333	-	500	500	-	500	500



Y-pipe 45 IT, ITK

øD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
L [mm]	333	500	-	500	500	-	500	-	500	500	-	600	700
Ln [mm]	283	450	-	450	450	-	450	-	450	450	-	550	650



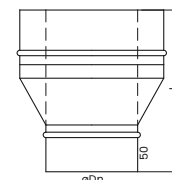
DW insulated chimneys

Inner pipe made of acid-proof stainless steel grade 316L thickness 0,5mm-0,6mm, outer pipe made of stainless steel 304 thickness 0,6mm.



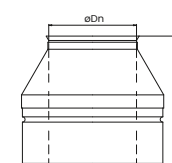
Mouth ending reverse IUO

øD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
L [mm]	220												



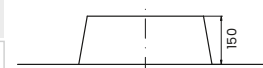
Mouth ending IU, IUK

øD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
L [mm]	170												



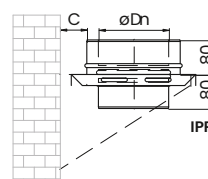
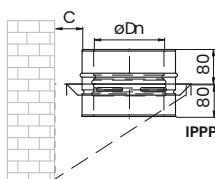
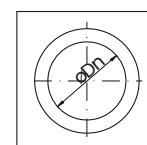
Roof duct IPD

øD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
(0-5)	730x1000												
(5-15)	730x1000												
(15-30)	730x1000												
(30-45)	730x1000												



Transitional plate IPP / Transitional base plate IPPP

øD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
C [mm]	Cmin=50												



Rain collar IKPN

øD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
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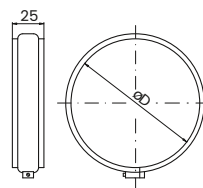
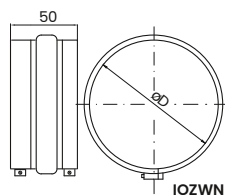
DW insulated chimneys

Inner pipe made of acid-proof stainless steel grade 316L thickness 0,5mm-0,6mm, outer pipe made of stainless steel 304 thickness 0,6mm.



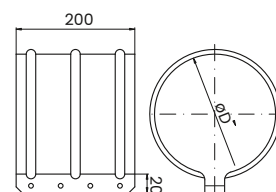
Locking band IOZN/IOZWN

ØD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
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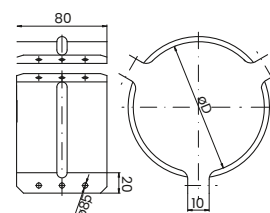
Locking band strengthened IOW

ØD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
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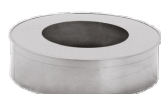
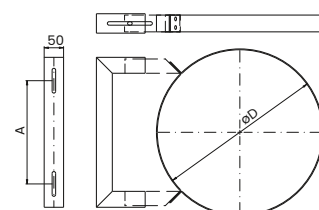
Wire support IOO

ØD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
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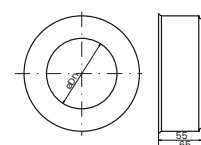
Wall support strengthened IOSW

ØD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
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Insulation cover IEND

ØD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
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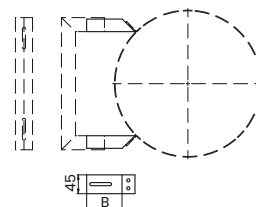
DW insulated chimneys

Inner pipe made of acid-proof stainless steel grade 316L thickness 0,5mm-0,6mm, outer pipe made of stainless steel 304 thickness 0,6mm.



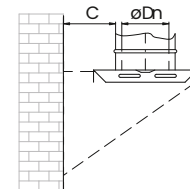
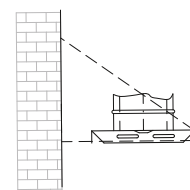
Brackets for wall support IWSO

øD [mm]	250	280	300	350	400	450	500	550	600
100	50-125								
175	125-200								
250	200-275								
325	275-350								
400	350-425								
475	425-500								
550	500-575								
625	575-650								



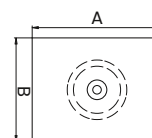
Base plate IPLP

øD [mm]	100	120	130	150	180	200	250	300	350	400	450	500
øA [mm]	200	225	225	250	280	300	350	400	450	500	550	600
Nr płyty	I	I	I	II	II	III	III	III	IV	IV	IV	IV
C	Wsp. I	0-85	0-70	0-70	0-60	0-45	0-35	-	-	-	-	-
	Wsp. II	50-125	50-125	50-125	50-125	50-125	0-55	0-30	0-5	-	-	-
	Wsp. III	125-200	125-200	125-200	125-200	125-200	50-125	50-125	0-50	0-50	0-25	-
	Wsp. IV	200-350	200-350	200-350	200-350	200-275	200-275	125-200	125-200	75-125	75-125	25-125
	Wsp. V	350-500	350-500	350-500	350-500	275-425	275-425	200-350	200-350	125-350	125-350	100-250



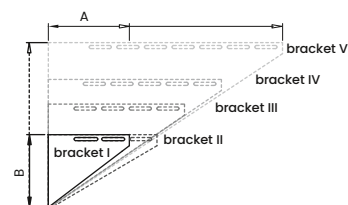
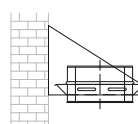
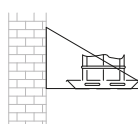
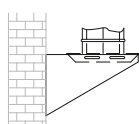
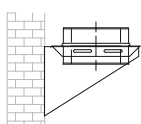
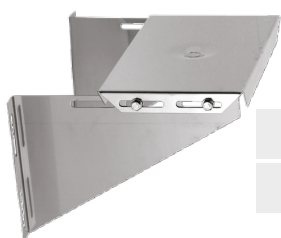
Base plate IPLP

	plate I	plate II	plate III	plate IV
A	273	340	460	606
B	194	194	273	273



Brackets for base plate and transitional plates IWSP

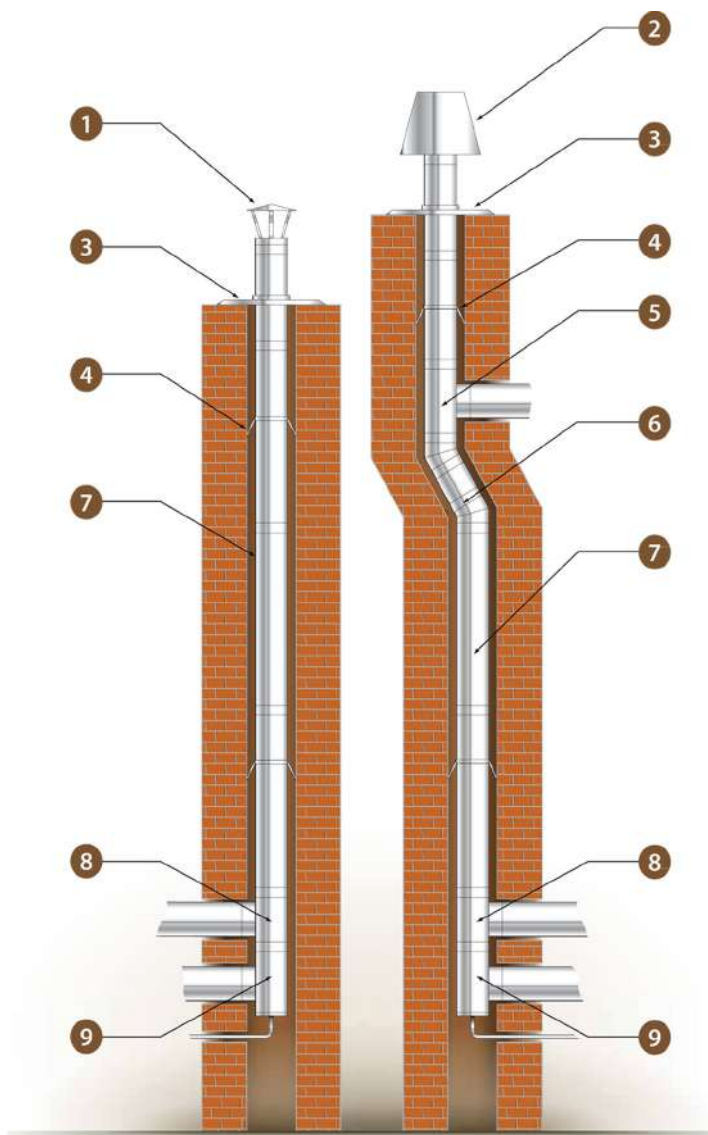
	bracket I	bracket II	bracket III	bracket IV	bracket V
A	250	333	400	500	630
B	250	250	333	400	500



Chimney liners

JAWAR round chimney liners are used to protect chimneys against the harmful effects of exhaust gases and condensate. They are made of acid-resistant steel (grade 316L) in thicknesses of 0.5, 0.6mm or 1.0mm. JAWAR round chimney liners are manufactured in a wide range of diameters (60-1000 mm) and are available with all accessories necessary to renovate the chimney.

Examples of chimney installations



- Much smaller flow resistance than in traditional brick chimneys, because of less rough surface.
- Steel chimney liners allow to modernize and upgrade old chimneys to new working conditions.
- Wide range of elements and diameters in offer
- Easy and quick installation
- Low heat capacity
- High gas-tightness

JAWAR W

- operation temperature up to 600°C
- dry and wet conditions
- gas, oil, wood, pellets
- operation in underpressure
- material: 316L
- muff connections

- 1 Rain cap Parasol
- 2 Rain cap Inzektor
- 3 Top plate

- 4 Stabiliser
- 5 Inspection
- 6 Elbow

- 7 Pipe
- 8 Tee
- 9 Inspection with condensation tray

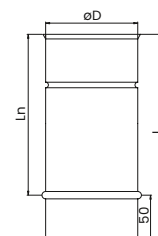
Chimney liners

System of chimney liners is made from acid-resistant stainless steel grade 316L, thicknesses 0,5mm, 0,6mm and 1,0mm.



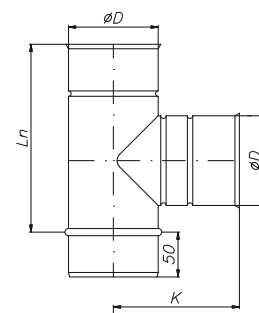
Pipe WR, WRK 1,0/0,5/0,25

øD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
L=100 [mm]	950												
L=500 [mm]	450												
L=250 [mm]	200												



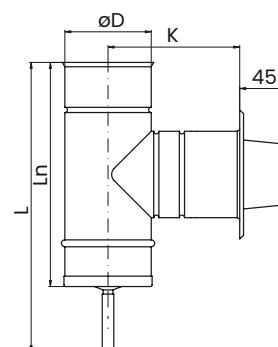
Tee 90° WT 90, WTK90

øD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
L [mm]	200	200	200	200	200	283	283	283	283	283	450	450	450
Ln [mm]	191	200	205	210	215	220	225	230	240	250	263	275	300
K [mm]	140	200	205	210	215	220	225	230	240	250	260	275	300



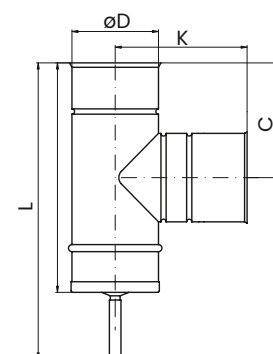
Inspection with condensate tray 90° WW90°, WWK90°

øD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
Ln [mm]	251	251	251	251	251	334	334	334	334	334	501	501	501
L [mm]	339	339	339	339	339	422	422	422	422	422	589	589	589
K [mm]	190	200	205	210	215	220	225	230	240	250	262	275	300



Tee with condensate tray WTW, WTK

øD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
Ln [mm]	251	251	251	251	251	334	334	334	334	334	501	501	501
L [mm]	300	300	300	300	300	383	383	383	383	383	500	500	500
C [mm]	125	125	125	125	125	166	166	166	166	166	250	250	250
K [mm]	190	200	205	210	215	220	225	230	240	250	262	275	300



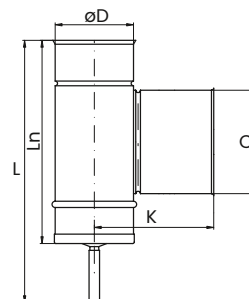
Chimney liners

System of chimney liners is made from acid-resistant stainless steel grade 316L, thicknesses 0,5mm, 0,6mm and 1,0mm.



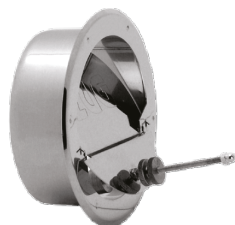
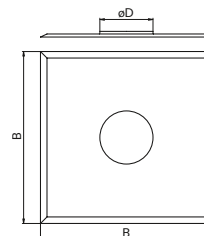
Inspection for door WWO, WWOK

øD [mm]	-	100	110	120	130	140	150	160	180	200	225	250	300
Ln [mm]	-	251	251	251	251	334	334	334	334	334	501	501	501
L [mm]	-	339	339	339	339	422	422	422	422	422	422	422	422
C [mm]	-	180	180	180	180	180	180	180	180	180	180	180	180
K [mm]	-	200	205	210	215	220	225	230	240	250	262	275	300



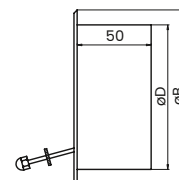
Top plate WBK

øD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
B [mm]	333	333	333	333	333	333	360	360	400	400	500	500	500



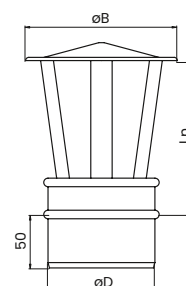
Draught controller WRC

øD [mm]	130	150	200
B [mm]	160	180	230



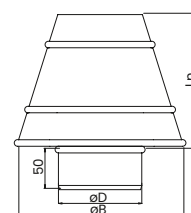
Rain cap Parasol WDP, WDPK

øD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
Φ B [mm]	190	190	190	230	230	230	270	270	350	400	450	500	600
Ln [mm]	145	145	145	145	165	185	185	215	215	235	235	255	275



Rain cap Inzektor WDI, WDIK

øD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
Φ B [mm]	162	198	218	238	258	278	298	318	358	398	448	498	598
Ln [mm]	123	150	165	180	195	210	225	240	270	300	337	375	450



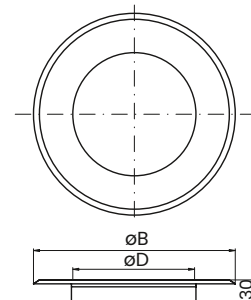
Chimney liners

System of chimney liners is made from acid-resistant stainless steel grade 316L, thicknesses 0,5mm, 0,6mm and 1,0mm.



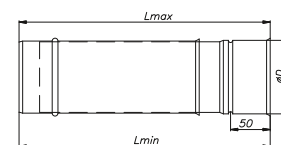
Cover rosette WRM

øD [mm]	80	100	110	120	130	140	150	160	180	200
øB [mm]	230	250	260	270	280	290	300	310	330	350



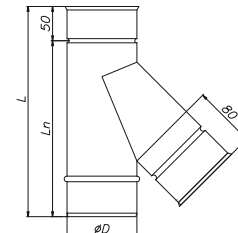
Telescope WTE, WTEK

øD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
L min [mm]	320	320	320	320	320	320	320	320	320	320	320	320	320
L max [mm]	520	520	520	520	520	520	520	520	520	520	520	520	520



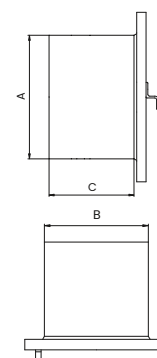
Y-pipe 45° WT 45, WTK45

øD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
L min [mm]	333	500	500	500	500	500	500	500	500	500	600	600	700
L max [mm]	520	450	450	450	450	450	450	450	450	450	450	550	650



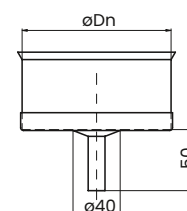
Chimney door WDW

øD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
A [mm]	180												
B [mm]	120												
C [mm]	80												



Condensate tray WODS, WODSK

øD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
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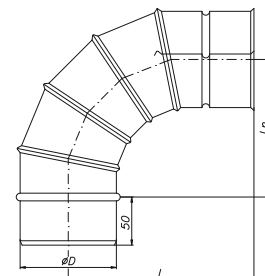
Chimney liners

System of chimney liners is made from acid-resistant stainless steel grade 316L, thicknesses 0,5mm, 0,6mm and 1,0mm.



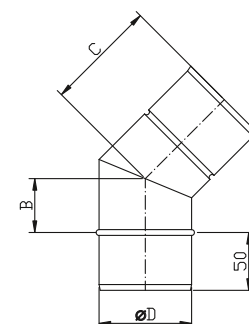
Adjustable elbow 0°-90° WKN

ØD [mm]	80	100	110	120	130	140	150	160	180	200	225	250
L1 [mm]	-	165	170	175	180	185	190	195	205	215	227,5	240
L2 [mm]	-	215	220	225	230	235	240	245	255	265	277,5	290



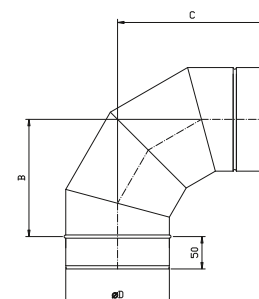
Elbow 45° WK45S, WKK45S

ØD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
L1 [mm]	47	50	53	55	57	59	80	82	84	86	88	90	92
L2 [mm]	97	101	103	105	107	109	134	136	138	140	142	144	146



Elbow 90° WK90S, WKK90S

ØD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
L1 [mm]	102	112	117	122	122	132	176	181	191	201	214	224	251
L2 [mm]	152	162	162	172	173	182	226	231	241	251	264	276	301



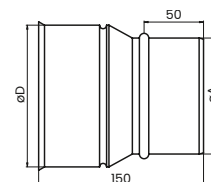
Chimney liners

System of chimney liners is made from acid-resistant stainless steel grade 316L, thicknesses 0,5mm, 0,6mm and 1,0mm.



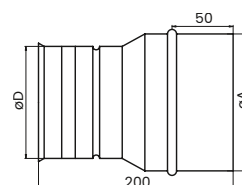
Adapter WRZ, WRZK

øD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
ø A [mm]	-	90	-	110	120	130	140	150	170	190	-	-	-
	-	80	-	100	110	120	130	140	160	180	-	-	-



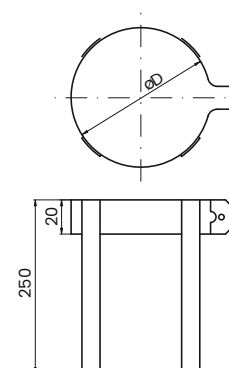
Adapter reverse WRO, WROK

øD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
ø A [mm]	90	110	120	130	140	150	160	170	190	-	-	-	-
	100	120	130	140	150	160	170	180	200	-	-	-	-



Stabiliser WSN

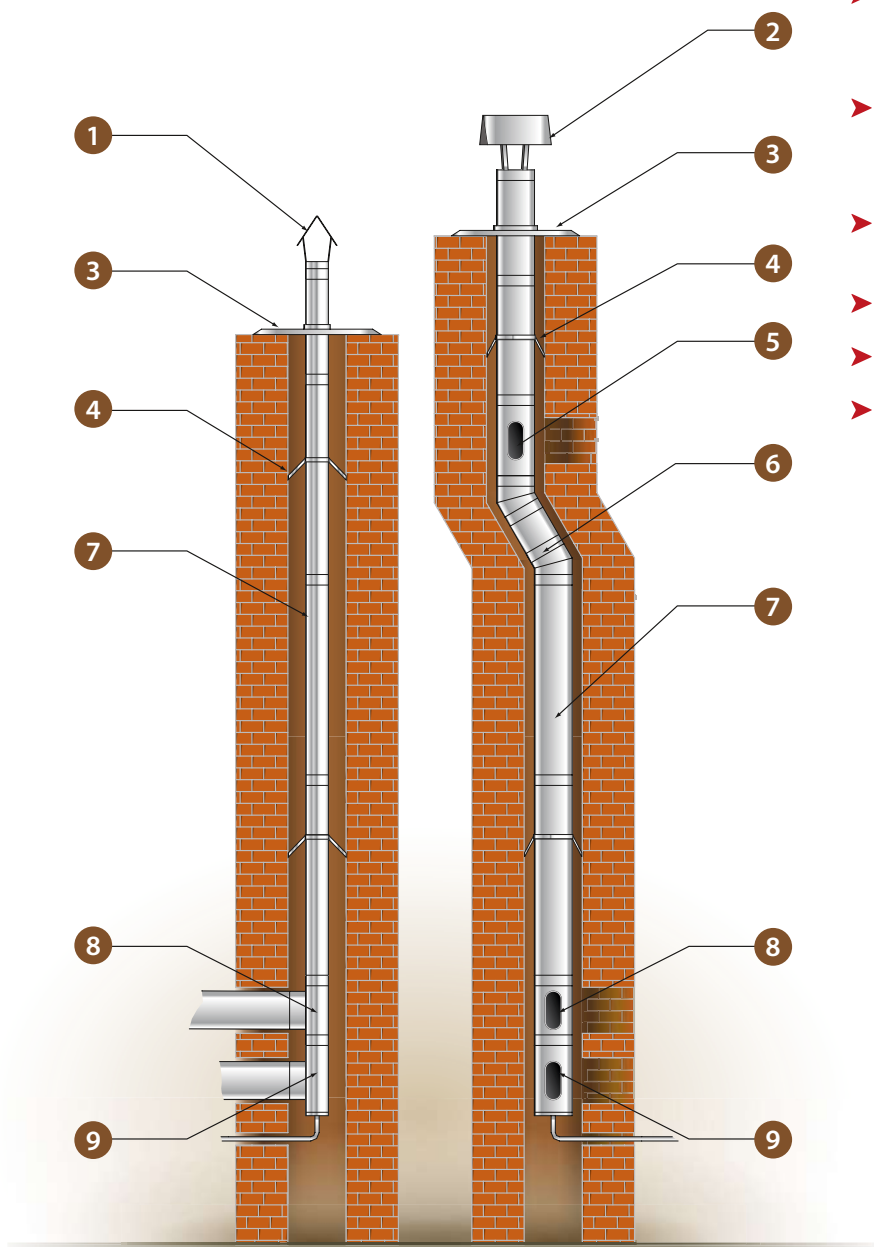
øD [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300
------------	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----



Oval chimney liners

Oval-section chimney liners are used wherever a large cross-section of the chimney liner is required (especially for solid fuels), and the size of the existing chimney does not allow the installation of a sufficiently large round-section insert. In such situations, the maximum use of space in the chimney is through the use of an oval liner. With quite popular rectangular shapes of chimneys, the use of such liners can significantly increase the cross-sectional area of the chimney, as shown in the figure below. The system is made from acid-resistant stainless steel grade 316L, thicknesses 0,6mm, 1,0mm.

Examples of chimney installations



- Much smaller flow resistance than in traditional brick chimneys, because of less rough surface.
- Oval chimney liners allow to modernize and upgrade old chimneys to new working conditions.
- Wide range of elements and diameters in offer.
- Easy and quick installation
- Low heat capacity
- High gas-tightness

JAWAR O

- operation temperature up to 600°C
- dry and wet conditions
- gas, oil, wood, pellets
- operation in underpressure
- material: 316L
- muff connections

- 1 Rain cap Parasol
- 2 Rain cap Inzektor
- 3 Top plate

- 4 Stabiliser
- 5 Inspection
- 6 Elbow

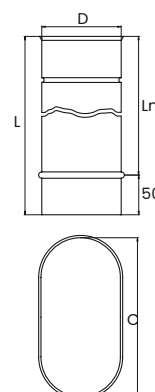
- 7 Pipe
- 8 Tee
- 9 Inspection with condensate tray

Oval chimney liners

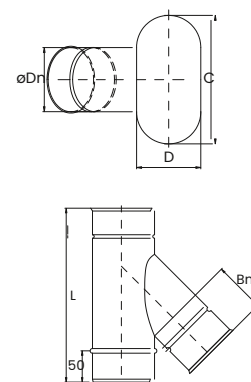
System of oval chimney liners is made from acid-resistant stainless steel grade 316L, thicknesses 0,6mm and 1,0mm.



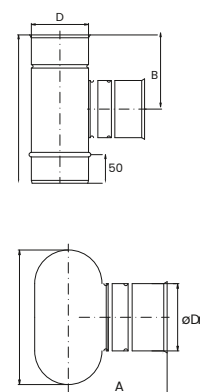
	Pipe OR, ORK		
Oval	100x200	110x230	120x240
D [mm]	100	110	120
C [mm]	200	230	240
Ln L=1000 [mm]	950	950	950
Ln L=500 [mm]	450	450	450
Ln L=250 [mm]	200	200	200



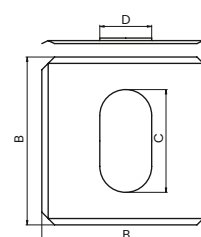
	Tee 45 OT45, OTK45		
Oval	100x200/150	110x230/180	120x240/180
ØD [mm]	150	180	180
D [mm]	100	110	120
C [mm]	200	230	240
L [mm]	500	500	500



	Tee 90 OT90, OTK90		
Oval	100x200/150	110x230/180	120x240/180
ØD [mm]	150	180	180
D [mm]	100	110	120
C [mm]	200	230	240
A [mm]	200	205	210
B [mm]	166	166	166
L [mm]	333	333	333



	Top plate OBK		
Oval	100x200	110x230	120x240
B [mm]	333	333	333
C [mm]	200	230	240
D [mm]	100	110	120



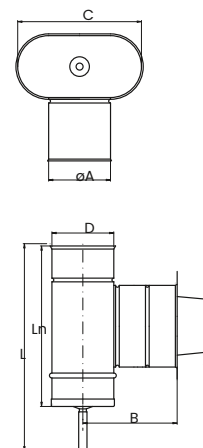
Oval chimney liners

System of oval chimney liners is made from acid-resistant stainless steel grade 316L, thicknesses 0,6mm and 1,0mm.



Inspection with condensate tray OW, OWK

Oval	100x200	110x230	120x240
D [mm]	100	110	120
C [mm]	200	230	240
B [mm]	210	205	210
Ln [mm]	333	333	333
L [mm]	383	383	383
ø A [mm]	150	180	180

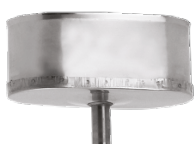
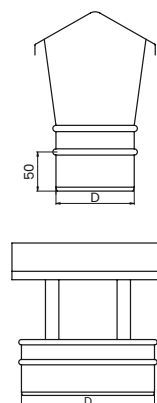


* na życzenie Klienta możliwość wykonania wyczystki pod drzwiczki



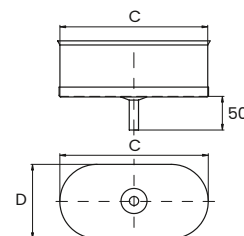
Rain cap Parasol ODP, ODPK

Oval	100x200	110x230	120x240
D [mm]	100	110	120
C [mm]	200	230	240
øLn [mm]	144	144	144



Condensate tray OODS, OODSK

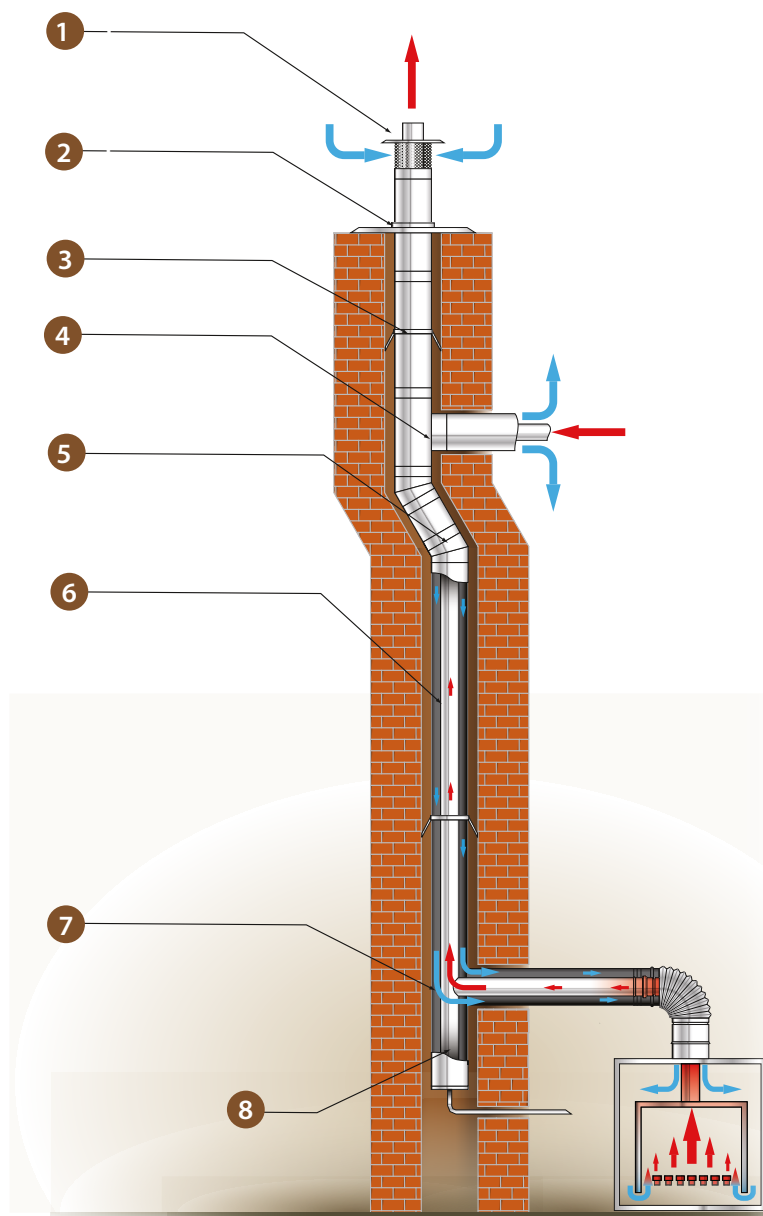
Oval	100x200	110x230	120x240
C [mm]	100	110	120
D [mm]	200	230	240



Air-gas systems

There are two air-gas systems available: condensing chimney liners and TURBO system. Condensing liners are made of acid-proof stainless steel grade 316L. TURBO system is made from acid-proof stainless steel grade 316L inner pipe and stainless steel grade 304 outer pipe.

Example of chimney installation



- 1 Vertical gas exhaust
- 2 Top plate
- 3 Stabiliser

- 4 Tee
- 5 Elbow
- 6 Pipe

Condensing chimney liners

Single-wall chimney liner for condensation gas boilers. The elements are equipped with silicone gaskets to ensure high gas-tightness of the system.

- Easy installation
- Recommended for new buildings and for chimney restoration
- Temperature of operation up to 200°C
- To be used with gas and oil condensing boilers
- Wet operation
- Can be used as a part of an air-gas system
- Silicone gaskets included in the price

TURBO system

The TURBO system has been designed to work with heating appliances with closed combustion chamber.

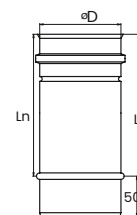
- Double-wall chimney system with gaskets for condensation boilers
- The inner pipe is used to exhaust gases and the outer pipe is used to supply air for combustion
- The system is equipped with silicone gaskets to ensure high gas-tightness
- Recommended for condensation boilers with closed combustion chamber, for wet operation
- Temperature of operation up to 200°C
- To be used with gas and oil condensing boilers
- 7 Tee or elbow with support
- 8 Inspection

Air-gas systems

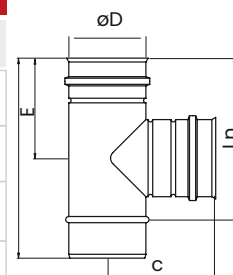
Condensing chimney liners



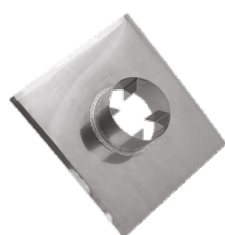
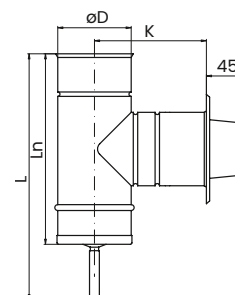
Pipe KR													
ØD [mm]	60	80	100	110	120	130	140	150	160	180	200	225	250
L=1000 [mm]	950												
L=500 [mm]	450												
L=250 [mm]	200												



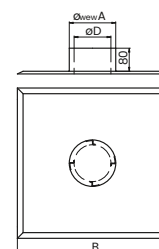
Tee 90° KT													
ØD [mm]	60	80	100	110	120	130	140	150	160	180	200	225	250
C [mm]	190	190	200	205	210	215	220	225	230	240	250	262	275
E [mm]	107,5	107,5	127,5	127,5	127,5	127,5	170	170	170	170	170	250	250
L [mm]	200	200	250	250	250	250	333	333	333	333	333	500	500
Ln [mm]	150	150	200	200	200	200	283	283	283	283	283	450	450



Inspection with condensate tray 90° KW													
ØD [mm]	60	80	100	110	120	130	140	150	160	180	200	225	250
Ln [mm]	201	201	251	251	251	251	334	334	334	334	334	501	501
L [mm]	251	251	310	301	301	301	384	384	384	384	384	551	551
K [mm]	180	180	200	205	210	215	220	225	230	240	250	262	275



Top plate with air gap KBK													
ØD [mm]	60	80	100	110	120	130	140	150	160	180	200	225	250
ØA [mm]	110	130	150	160	170	180	190	220	210	230	250	275	300
B [mm]	330	330	330	330	330	330	330	360	360	400	400	500	500



Air-gas systems

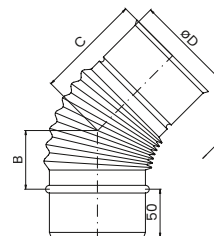
Condensing chimney liners



Elbow 45° KK

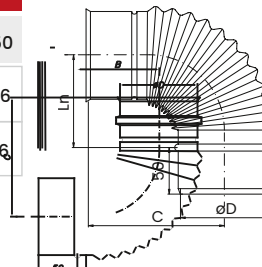
ØD [mm]	60*	80	100	110	120	130	140	150	160	180	200	225	250
B [mm]	42	50	70	75	80	90	95	110	135	140	150	160	170
C [mm]	92	100	120	125	130	140	145	160	185	190	200	210	220

*wykonane jako kolano segmentowe



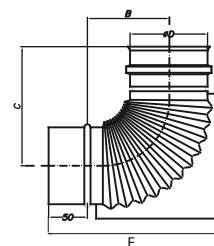
Elbow 90° KK

ØD [mm]	60*	80	100	110	120	130	140	150	160	180	200	225	250
B [mm]	92	125	155	172	185	190	195	205	220	225	230	252,5	296
C [mm]	142	70	100	117	130	135	140	150	165	170	175	197,5	246



Elbow 90° with support 90° KK PODP

ØD [mm]	60*	80	100	110	120	130	140	150	160	180	200	225	250
B [mm]	92	125	155	172	185	190	195	205	220	225	230	252,5	296
C [mm]	142	70	100	117	130	135	140	150	165	170	175	197,5	246
E [mm]	202	195	215	225	235	245	255	265	275	295	315	350	365

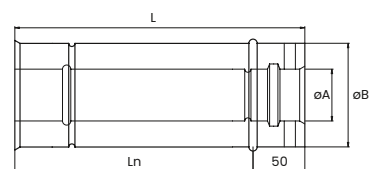


Air-gas systems

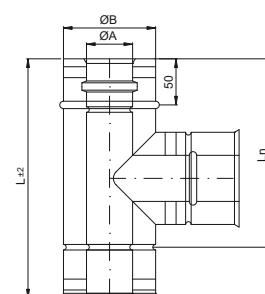
TURBO system



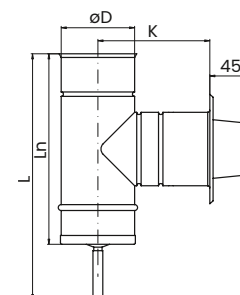
Pipe TR			
$\varnothing A$ [mm]	60	80	100
$\varnothing B$ [mm]	100	125	150
$L=1000$ [mm]	950		
$L=500$ [mm]	450		
$L=250$ [mm]	200		



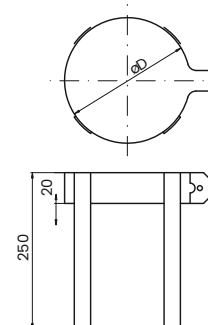
Tee 90° TT			
$\varnothing A$ [mm]	60	80	100
$\varnothing B$ [mm]	100	125	150
L [mm]	240	250	333
L_n [mm]	190	200	283



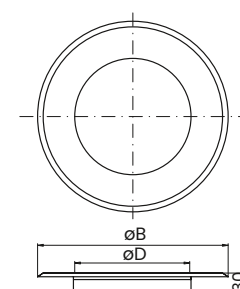
Inspection with condensate tray TW			
$\varnothing A$ [mm]	60	80	100
$\varnothing B$ [mm]	100	125	150
L [mm]	251	251	374
L_n [mm]	301	301	425



Stabiliser WSN			
$\varnothing D$ [mm]	100	125	150



Cover rosette WRM			
$\varnothing A$ [mm]	60	80	100
$\varnothing B$ [mm]	100	125	150



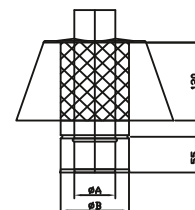
Air-gas systems

TURBO system



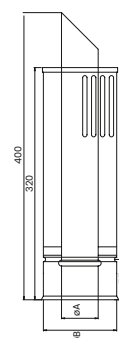
Vertical gas exhaust TWS

$\varnothing A$ [mm]	60	80	100
$\varnothing B$ [mm]	100	125	150



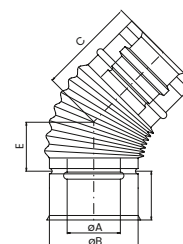
Horizontal gas exhaust TWP

$\varnothing A$ [mm]	60	80	100
$\varnothing B$ [mm]	100	125	150



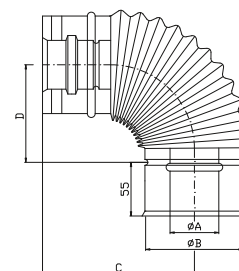
Elbow 45° TK45

$\varnothing A$ [mm]	60	80	100
$\varnothing B$ [mm]	100	125	150
C [mm]	95	100	105
E [mm]	40	45	50



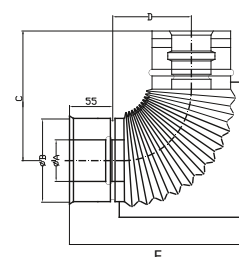
Elbow 90° TK90

$\varnothing A$ [mm]	60	80	100
$\varnothing B$ [mm]	100	125	150
C [mm]	140	190	210
D [mm]	85	135	155



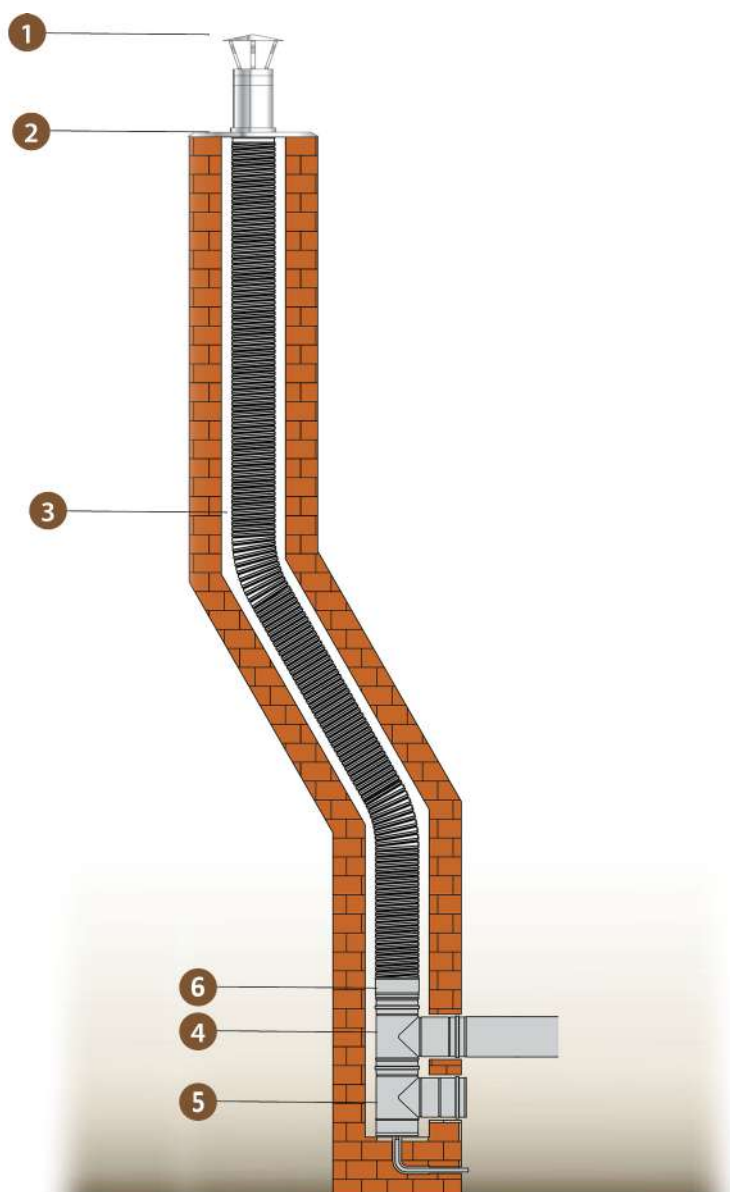
Elbow 90° with support TK90PODP

$\varnothing A$ [mm]	60	80	100
$\varnothing B$ [mm]	100	125	150
C [mm]	135	150	160
D [mm]	80	95	105
E [mm]	215	235	265



Flexible chimney liners

Example of chimney installation



- 1 Rain cap Parasol
- 2 Top plate
- 3 Flexible tube

- 4 Tee
- 5 Inspection with condensate tray
- 6 Adapter

Jawar Monoflix

A flexible single-layer chimney liner made of acid-resistant stainless steel thickness 0,10mm.

- For restoration of old boiler-rooms
- For gas and oil boilers
- Temperature of operation up to 450°C
- Installation inside of a brick chimney
- High flexibility and durability, ensuring easy installation.

Jawar Duoflix

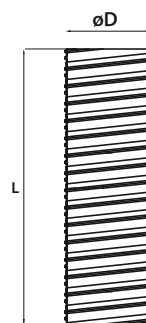
A flexible double-layer chimney liner made of acid-resistant stainless steel thickness 2x0,10mm.

- For restoration of old boiler-rooms
- For gas, oil and wood heating appliances
- Operation in dry and wet conditions, in underpressure
- Temperature of operation up to 600°C
- When used with special accessories, possible operation in overpressure up to 200 Pa - with condensing boilers
- Double-layer construction ensures high gas-tightness of the tubes and low flow resistance
- Easy installation

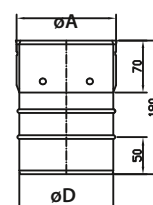
Flexible chimney liners



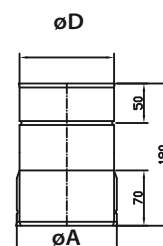
Flexible tube SR												
øD [mm]	80	100	110	120	125	130	150	160	180	200	225	250
SRM	+	+	+	+	+	+	+	-	+	+	-	-
SR	+	+	+	+	+	+	+	+	+	+	-	+



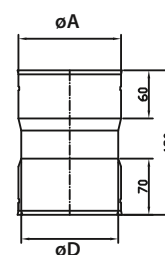
Adapter for flex SRZWS (RIGID-FLEX)												
øD [mm]	80	100	110	120	125	130	150	160	180	200	250	
øA	87	107	117	127	132	137	157	167	187	207	257	



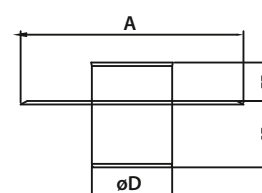
Adapter for flex SRZSW (FLEX-RIGID)												
øD [mm]	80	100	110	120	125	130	150	160	180	200	250	
øA	87	107	117	127	132	137	157	167	187	207	257	



Adapter for flex SRZSS (FLEX-FLEX)												
øD [mm]	80	100	110	120	125	130	150	160	180	200	250	
øA	87	107	117	127	132	137	157	167	187	207	257	



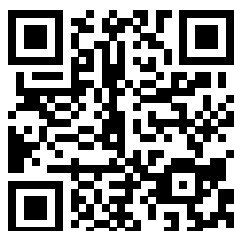
Top plate												
øD [mm]	80	100	110	120	125	130	150	160	180	200	250	
A	333	333	333	333	333	333	360	360	400	400	500	



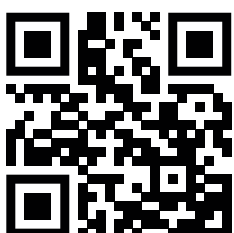
Chimneys



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