BOPLAST

Products from epoxy resin

- post insulators
- bushing insulators
- capacitive insulators
- post-bushing insulators
- apparatus insulators
- isolating products

Products from thermoplastic materials

- isolating products
- parts for power engineering apparatus and switchgears

The equipment of switchgears

- voltage indicator WN – 1
- voltage indicator with blockade WNS – 1

The company has a certificated management of quality system consistent with **ISO 9001:2008**

ZAKŁAD IZOLATORÓW ELEKTROTECHNICZNYCH BOPLAST Sp. z o.o.

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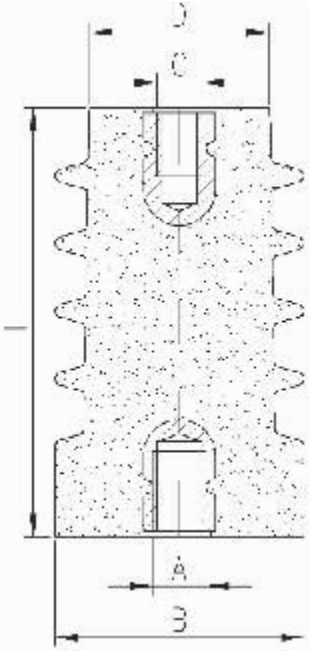
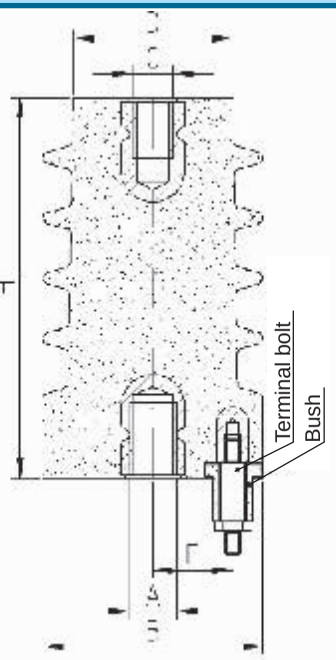
Post and capacitive insulators



post

1. There is a possibility to use inserts when it is required by the costomer
2. To reactance insulators we produce voltage indicators **WN - 1** and voltage indicator with blockade **WNS - 1**
3. Post insulators have the version with capacitive sensor
4. Insulators are designed to work in indoor conditions
5. It is possible to produce outdoor post insulators

capacitive

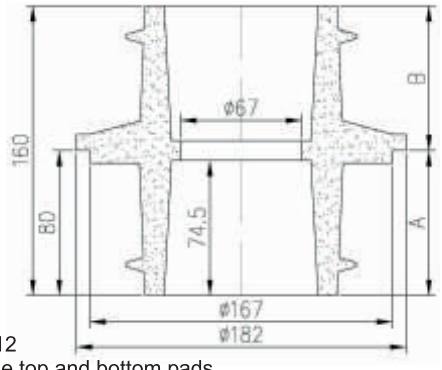


Insulator type POST REACTANCE	JO6-60.bp1 JOR6-60.bp1	JO8-75.bp1.01 JOR8-75.bp1.01	JO8-75.bp1.02 JOR8-75.bp1.02	JO8-75.bp1.03 JOR8-75.bp1.03	JO16-75.bp2 JOR16-75.bp2	JO6-75.bp3 JOR6-75.bp3	JO8-95.bp1.01 JOR8-95.bp1.01	JO8-95.bp1.02 JOR8-95.bp1.02	JO8-95.bp1.03 JOR8-95.bp1.03	JO8-125.bp1.01 JOR8-125.bp1.01	JO8-125.bp1.02 JOR8-125.bp1.02	JO8-125.bp1.03 JOR8-125.bp1.03	JO8-125.bp2.01 JOR8-125.bp2.01	JO8-125.bp2.02 JOR8-125.bp2.02	JO8-125.bp3 JOR8-125.bp3	JO4-125.bp4 JOR4-125.bp4	JO6-145.bp1 JOR6-145.bp1	JO8-170.bp2 JOR8-170.bp2	JO8-170.bp3 JOR8-170.bp3	JO8-195.bp1 JOR8-195.bp1
A	M12	M16	M16	M20	M16	M16	M16	M16	M20	M16	M16	M20	M16	M16	M16	M16	M20	M20	M20	M20
B	⌀55	⌀75	⌀75	⌀75	⌀70	⌀60	⌀85	⌀85	⌀85	⌀90	⌀90	⌀90	⌀102	⌀102	⌀76	⌀84	⌀86	⌀110	⌀110	⌀110
C	M10	M16	M12	M16	M12	M12	M16	M12	M16	M16	M12	M16	M16	M12	M12	M12	M16	M16	M16	M16
D	⌀40	⌀55	⌀55	⌀55	⌀70	⌀60	⌀60	⌀60	⌀60	⌀60	⌀60	⌀60	⌀61	⌀61	⌀60	⌀52	⌀70	⌀75	⌀75	⌀75
E	20	25,5	25,5	25,5	25,5	20	30,5	30,5	30,5	33	33	33	33	33	33	33	33	33	33	33
H	95	130	130	130	130	130	175	175	175	210	210	210	210	210	210	210	300	300	320	335
Rated insulation voltage [kV]	**7,2**	**12**	**12**	**12**	**12**	**12**	**17,5**	**17,5**	**17,5**	**24**	**24**	**24**	**24**	**24**	**24**	**24**	**36**	**36**	**36**	**42**
Testing Indicative voltage [kV]	60	75	75	75	75	75	95	95	95	125	125	125	125	125	125	125	145	170	170	195
Testing alternating tension on dry (50Hz, 1min) [kV]	28	38	38	38	38	38	50	50	50	50	50	50	50	50	50	50	70	70	70	95
Bending strenght [kN]	6	10	10	10	16	6	8	8	8	8	8	8	8	8	8	4	6	8	8	8
Creepage distance [mm]	136	182	182	182	173	246	235	235	235	348	348	348	364	364	276	307	393	545	565	580

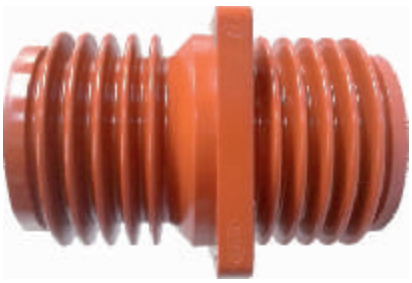
Detailed information on insulators is available on www.boplast.pl

Bushing insulators 12kV, 17,5kV, 24kV and 36kV

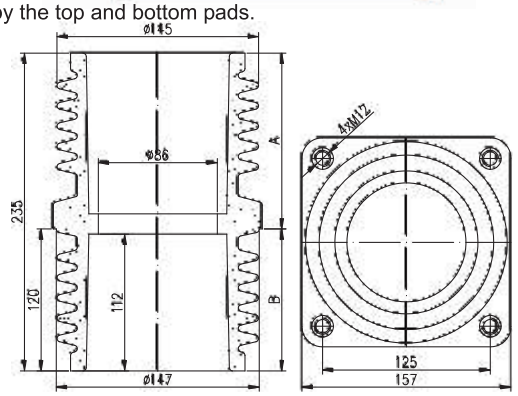
Insulator type SPWSG.bp1-20/7,2-12/1,6		
Indicative voltage	[kV]	7,2-12
Indicative current	[A]	1600
Bending strenght	[kN]	20
Creepage distance A [mm]		121
Creepage distance B [mm]		123



Fixing: The insulator is fixed to the base with usage of three bushes and bolts M12
Centricity of busbars: The centricity of current busbars with the insulator slot are provided by the top and bottom pads.

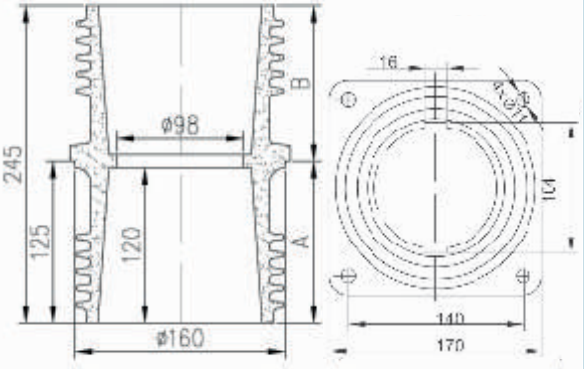


Insulator type SPWSG.bp6-20/12-17,5/1,6		
Indicative voltage	[kV]	12-17,5
Indicative current	[A]	1600
Bending strenght	[kN]	20
Creepage distance A [mm]		239
Creepage distance B [mm]		236



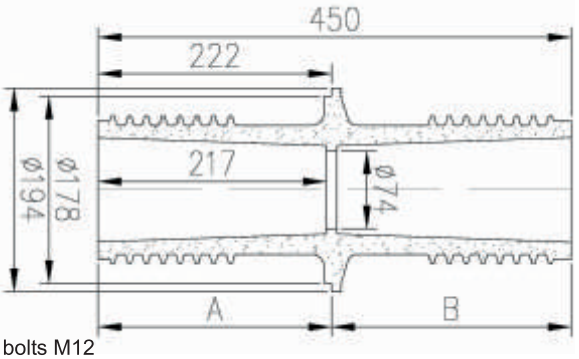
Fixing: The insulator is fixed to the base with usage of bolts M12
Centricity of busbars: The centricity of current busbars with the insulator slot are provided by the top and bottom pads.

Insulator type SPWSG.bp3-20/12-17,5/1,6		
Indicative voltage	[kV]	12-17,5
Indicative current	[A]	1600
Bending strenght	[kN]	20
Creepage distance A [mm]		210
Creepage distance B [mm]		211

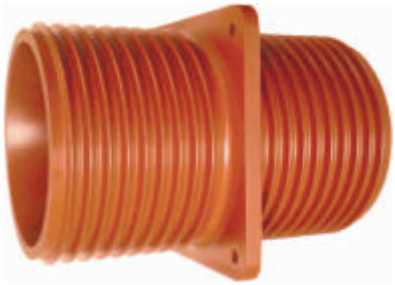


Fixing: The insulator is fixed to the base with usage of bolts M10
Centricity of busbars: The centricity of current busbars with the insulator slot are provided by the top and bottom pads.

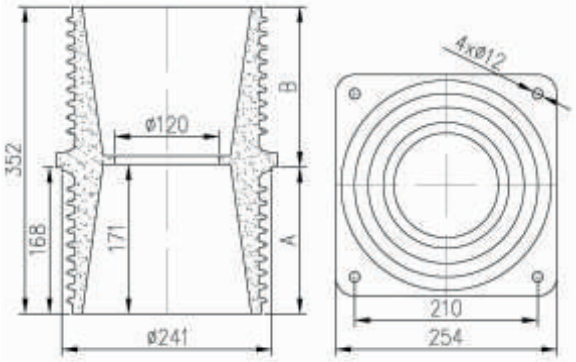
Insulator type SPWSG.bp1-10/24/1,25		
Indicative voltage	[kV]	24
Indicative current	[A]	1250
Bending strenght	[kN]	10
Creepage distance A [mm]		340
Creepage distance B [mm]		350



Fixing: The insulator is fixed to the base with usage of three bushes and bolts M12
Centricity of busbars: The centricity of current busbars with the insulator slot are provided by the top and bottom pads.

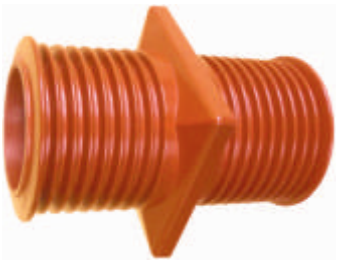


Insulator type SPWSG.bp2-20/24/2,5		
Indicative voltage	[kV]	24
Indicative current	[A]	2500
Bending strenght	[kN]	20
Creepage distance A [mm]		286
Creepage distance B [mm]		308

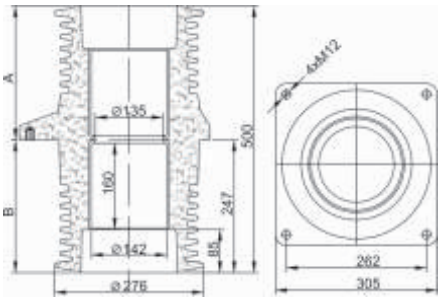


Fixing: The insulator is fixed to the base with usage of bolts M10
Centricity of busbars: The centricity of current busbars with the insulator slot are provided by the top and bottom pads.

Bushing insulator 36 kV



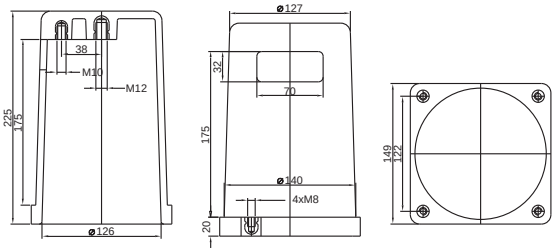
Insulator type SPWSG.bp1-16/36/1,25		
Indicative voltage	[kV]	36
Indicative current	[A]	1250
Bending strenght	[kN]	16
Creepage distance A	[mm]	525
Creepage distance B	[mm]	510



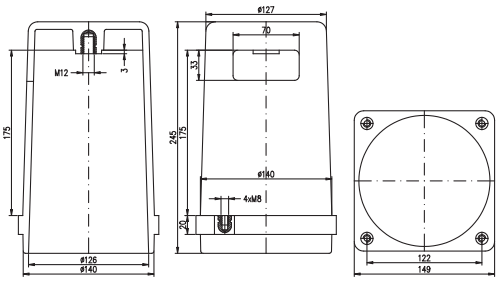
Voltage requirements according to GOST 1516.1-76
Fixing: The insulator is fixed to the base with usage of four bolts M12
Centricity of busbars: The centricity of current busbars with the insulator slot are provided by the top and bottom pads

Post-bushing insulators 12 kV, 17,5 kV, 24 kV and 36 kV

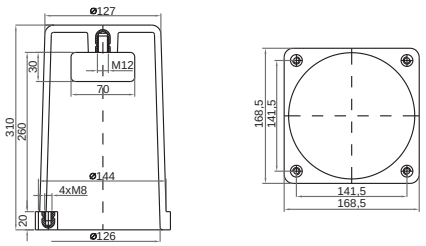
Insulator type IPW.RV.bp5-2/12/1,6		
Indicative voltage	[kV]	12
Indicative current	[A]	1600
Bending strenght	[kN]	2
Fixing		4xM8



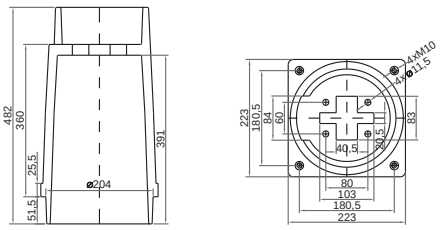
Insulator type IPW.RV.bp2-2/12-17,5/1,25		
Indicative voltage	[kV]	17,5
Indicative current	[A]	1250
Bending strenght	[kN]	2
Fixing		4xM8



Insulator type IPW.RV.bp3-2/24/0,8		
Indicative voltage	[kV]	24
Indicative current	[A]	800
Bending strenght	[kN]	2
Fixing		4xM8



Insulator type IPW.RV.bp1-4/36/1,25		
Indicative voltage	[kV]	36
Indicative current	[A]	1250
Bending strenght	[kN]	4
Fixing		4xM10



Voltage indicators

Voltage indicator **WN-1**	Application	Voltage indicator with blockade **WNS-1**
	The voltage indicators are used to light signaling of the presence of voltage in circuits MV, for example on current busbars in switchgears. Indicators with blockade cooperate with system of control apparatus enabling or blocking the manoeuvring of specific apparatus.