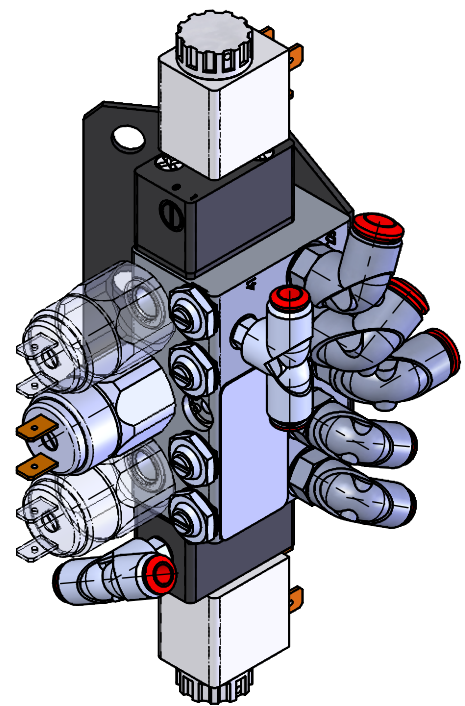
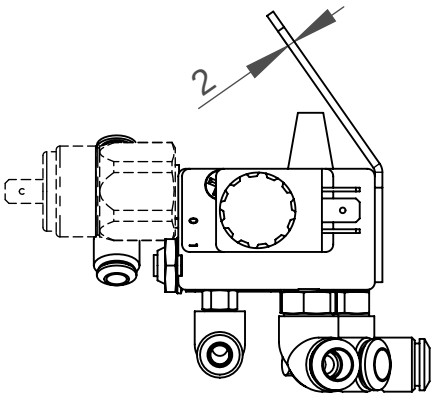
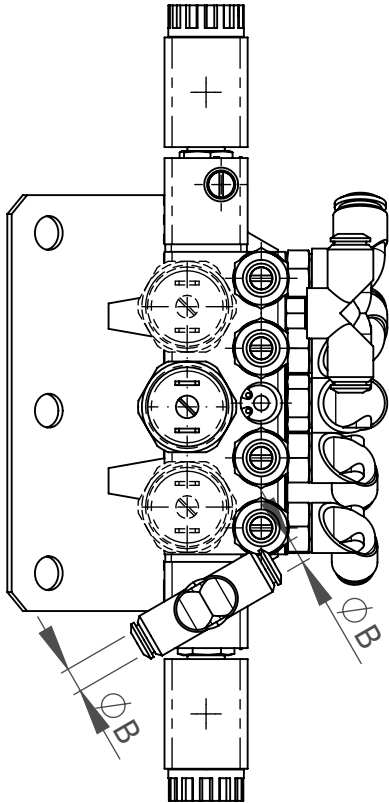
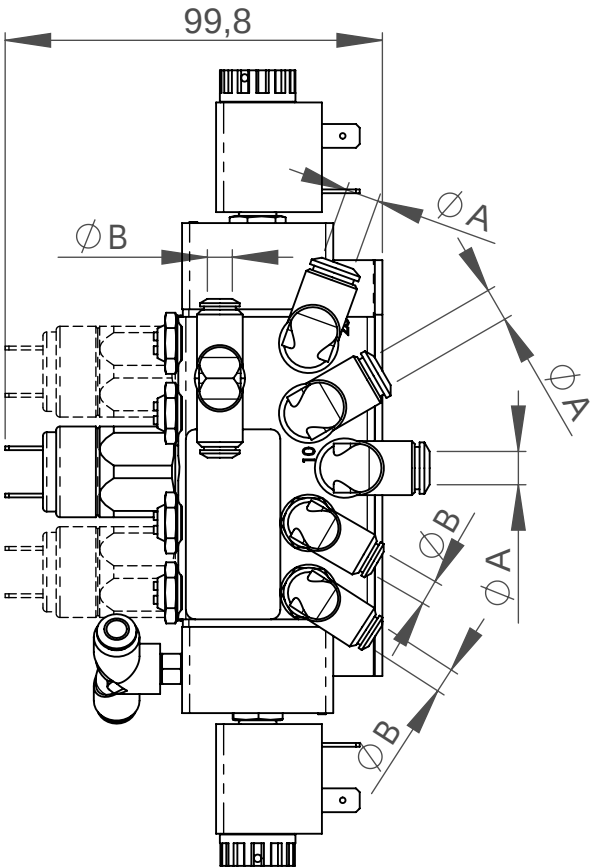


CATALOGO RICAMBI PRINCIPALI
MAIN SPARE PARTS CATALOGUE

SPARE PARTS **C5**



Polické strojírný a.s., Polická, Czech Republic

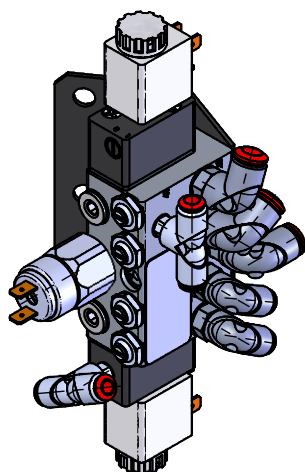
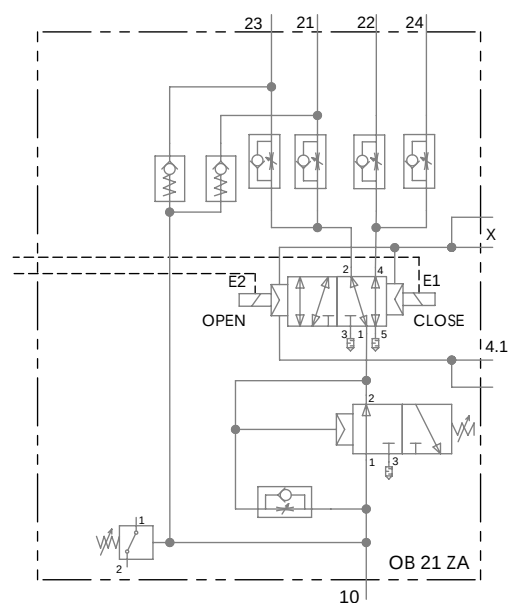
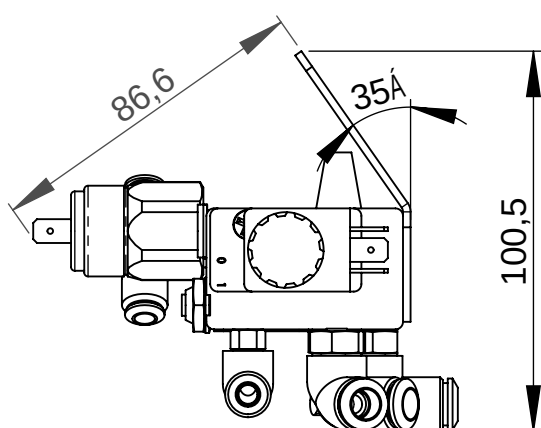
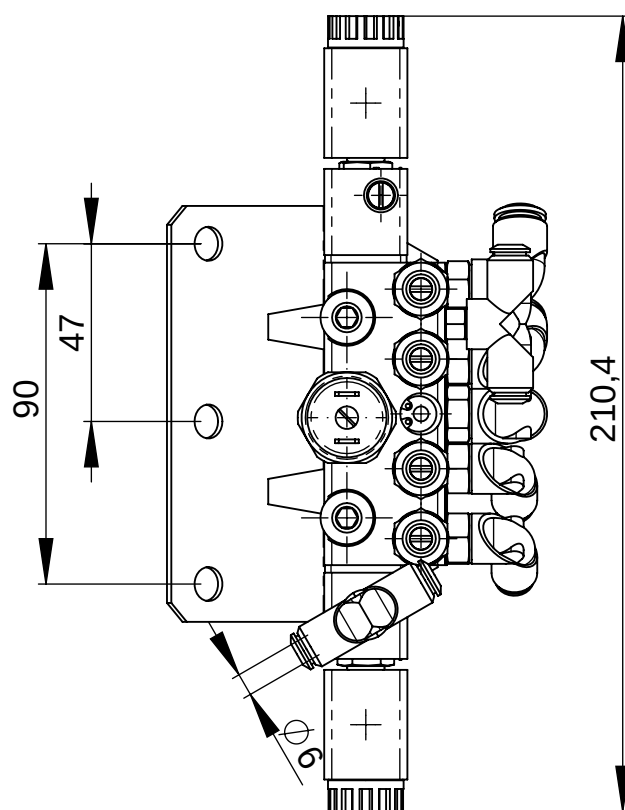
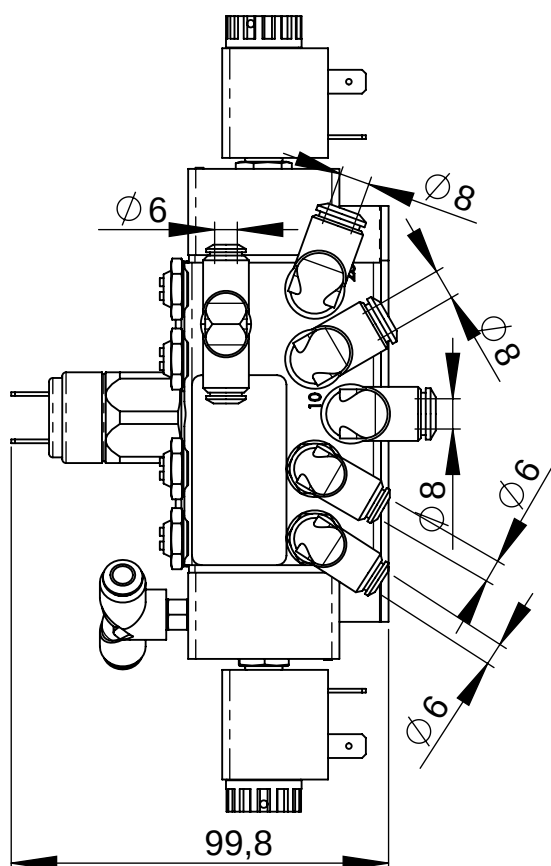


Coil holder type	
90Á	180Á

Bracket type	
H	G

Supplied versions										
Nr.	Ord. Nr.	Type	Pressure switch q.	Coil h. type	Brack. type	Tube Ø		El. conn.		1BOS
						A	B	Pins.		
1	23300787	ZA	1	180Á	H	8	6			
2	23300785	B	3	180Á	H	8	6			
3	23305999	ZD	1	90Á	H	6	6		8	
4	23306000	OTD	3	90Á	H	6	6		8	
5	23306022	OTD B	3	90Á	G	6	6		8	
6	23306219	OTD BE	3	90Á	G	6	6		10	
7	23306215	OTD E	3	90Á	H	6	6		10	
8	23306216	ZD E	1	90Á	H	6	6		6	
9	23306193	OTD W	3	90Á	H	6	6		10	
10	23306194	ZD W	1	90Á	H	6	6		6	
11	23306223	OTD B W	3	90Á	G	6	6		10	
12	23306056	ZD DS	1	90Á	H	6	6		8	
13	23306352	ZD E DS	1	90Á	H	6	6		10	
Note: 1BOS - 1 Button operated switch										

Type:	Control block OB 21
Function:	For control of doors by means of pressure air. For use in combination with actuators and with emergency slide valves . It is equipped with pressure switch for checking the system pressure (permanent set value 6.3 MPa). The block includes throttle valves for control of door leaf speed. Its design ensures slow filling of the system after the use of the emergency valve.
Connection:	3 screws M8 through bracket
Medium connection:	Tubes 6/4;8/6
Nominal voltage:	24V DC



Type:

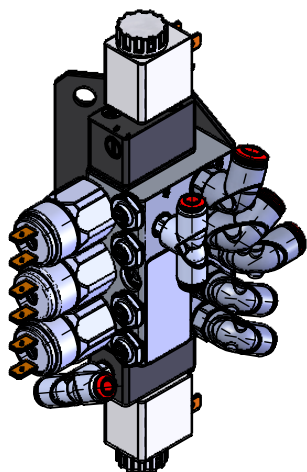
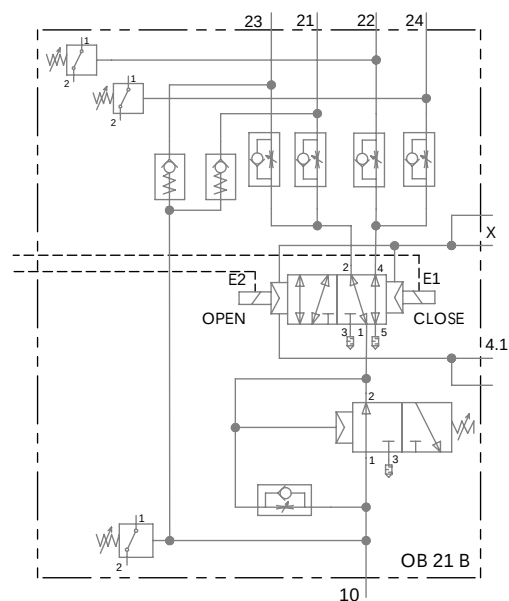
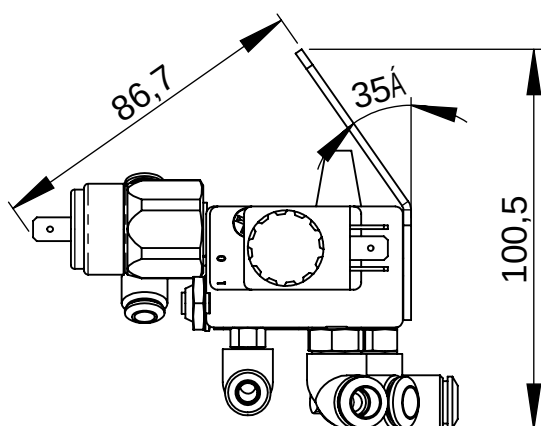
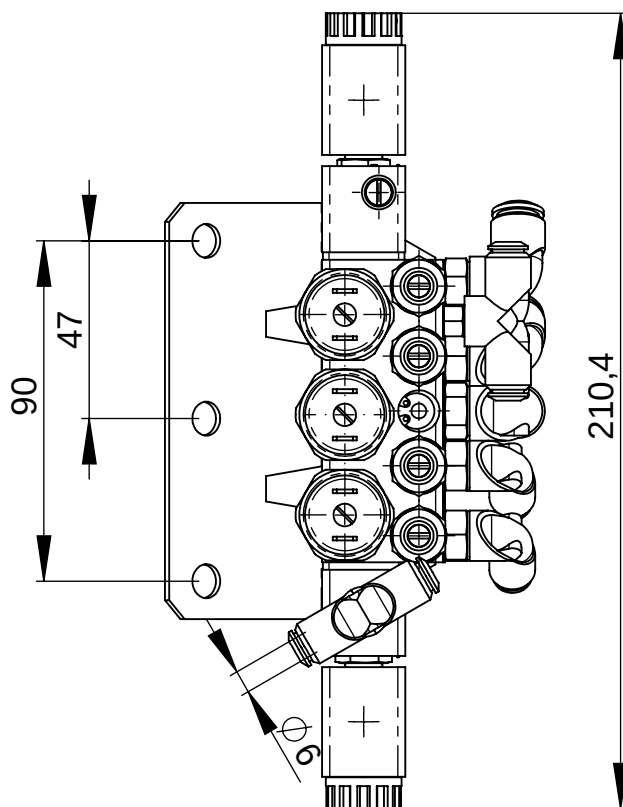
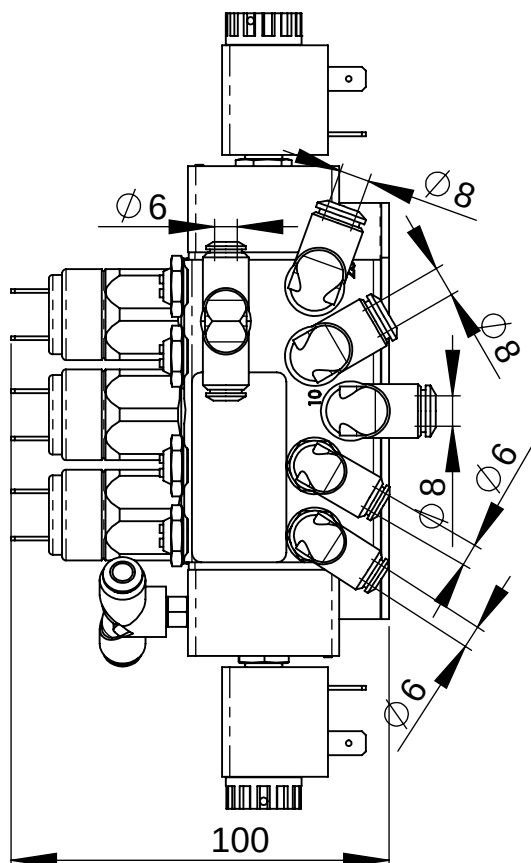
Control block OB 21

Function:

For control of doors by means of pressure air. For use in combination with actuators OK and with emergency slide valves. It is equipped with pressure switch for checking the system pressure (permanent set value 6.3 MPa). The block includes throttle valves for control of door leaf speed. Its design ensures slow filling of the system after the use of the emergency valve.

Medium connection:

Tubes 6/4;8/6



Type:

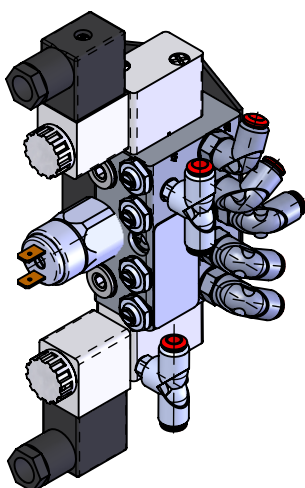
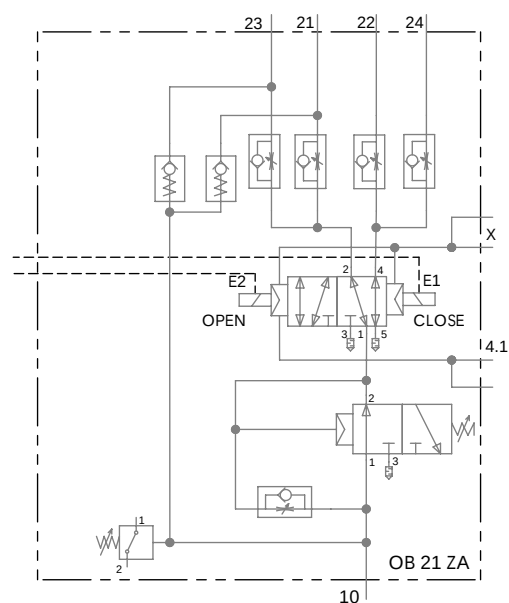
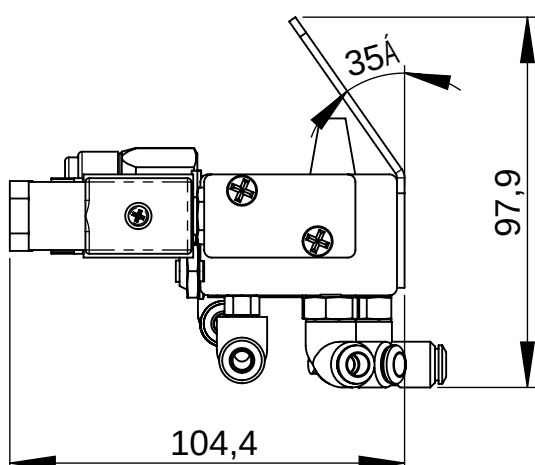
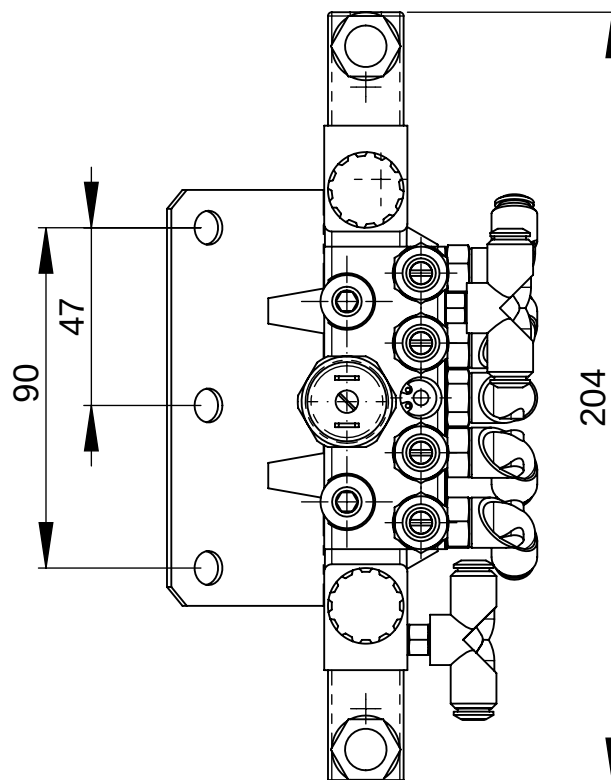
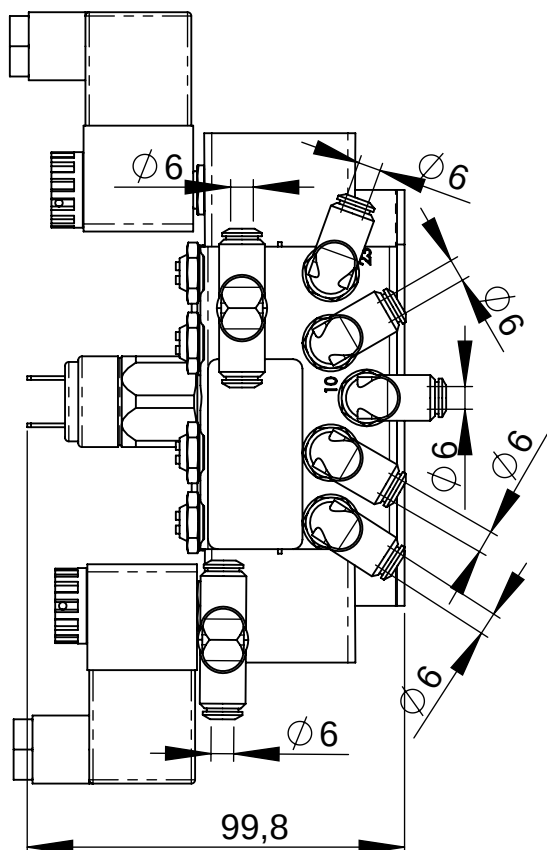
Control block OB 21

Function:

For control of doors by means of pressure air. For use in combination with actuators OK and with emergency slide valves. It is equipped with pressure switch for checking the system pressure (permanent set value 6.3 MPa) and with 2 switches for reverse function (adjustable). The block includes throttle valves for control of door leaf speed. Its design ensures slow filling of the system after the use of the emergency valve.

Medium connection:

Tubes 6/4;8/6



Type:

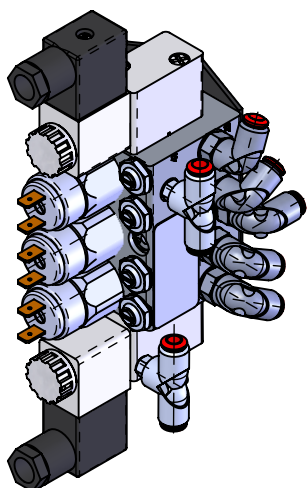
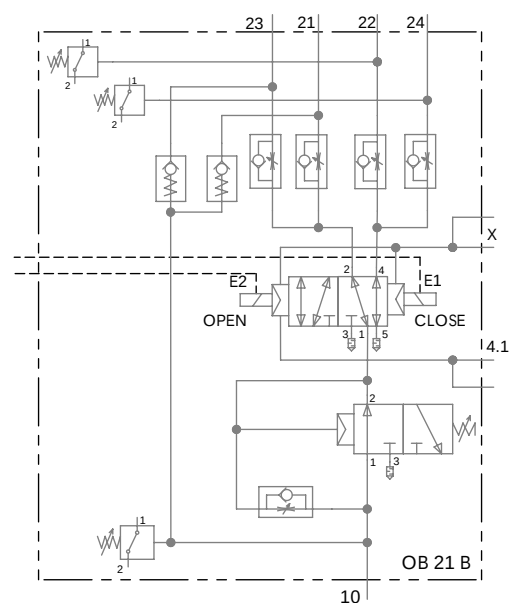
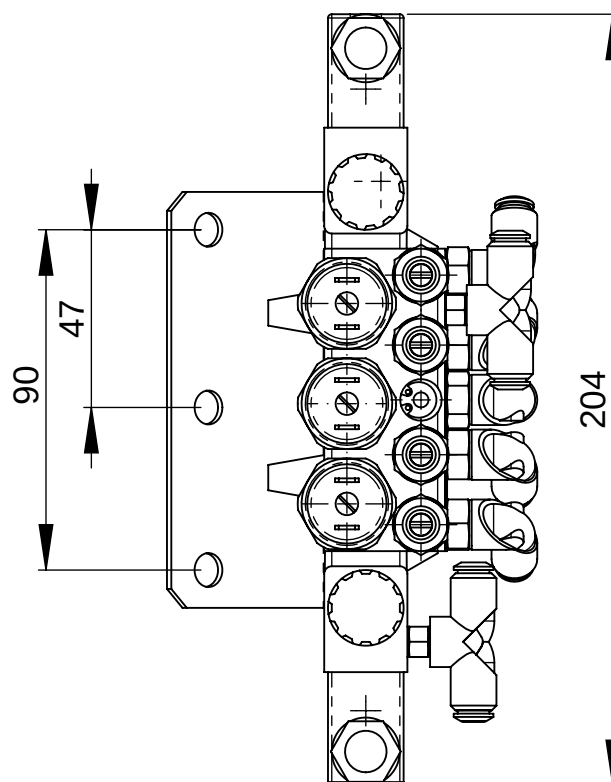
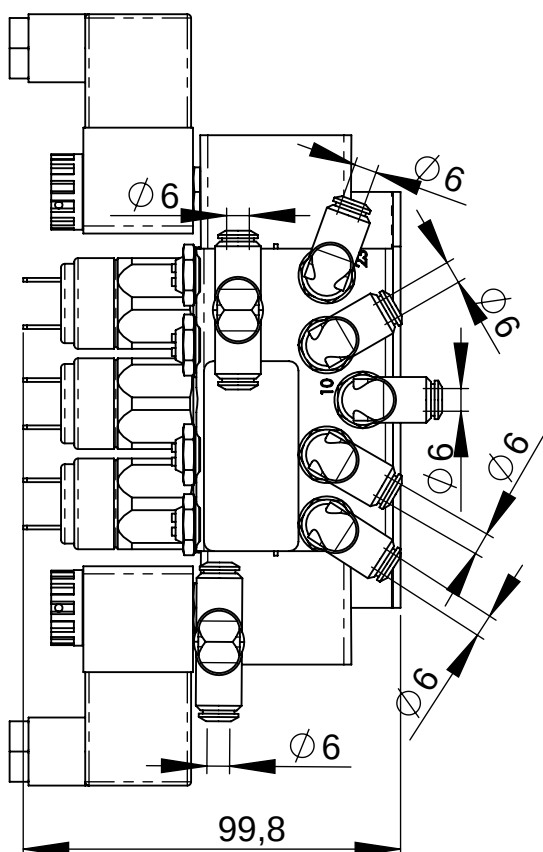
Control block OB 21

Function:

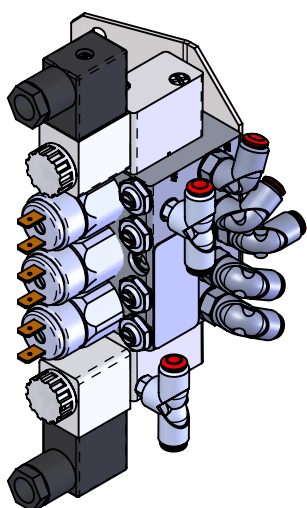
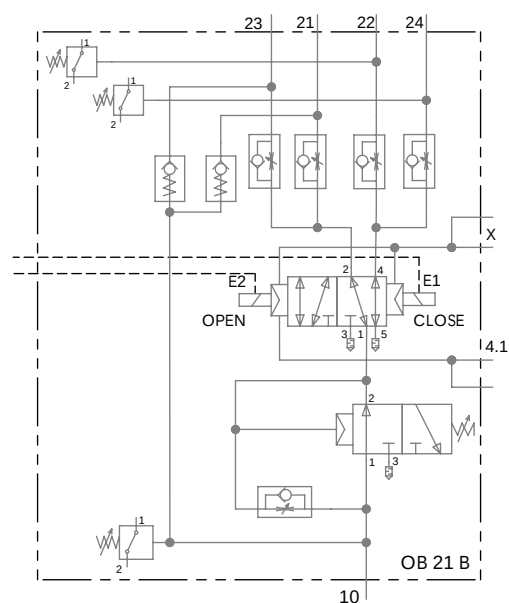
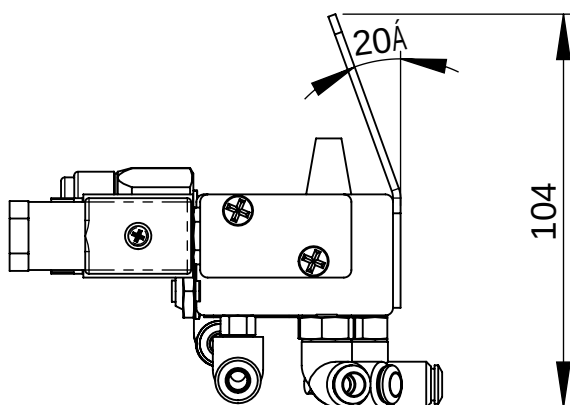
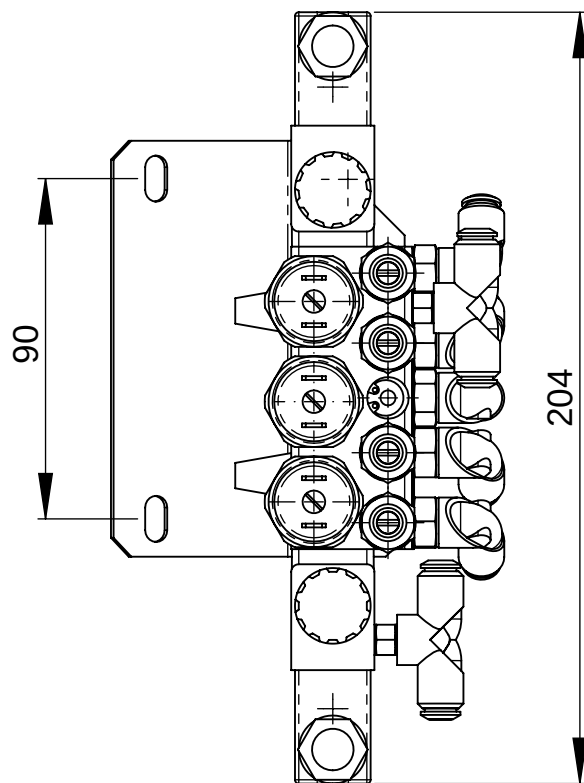
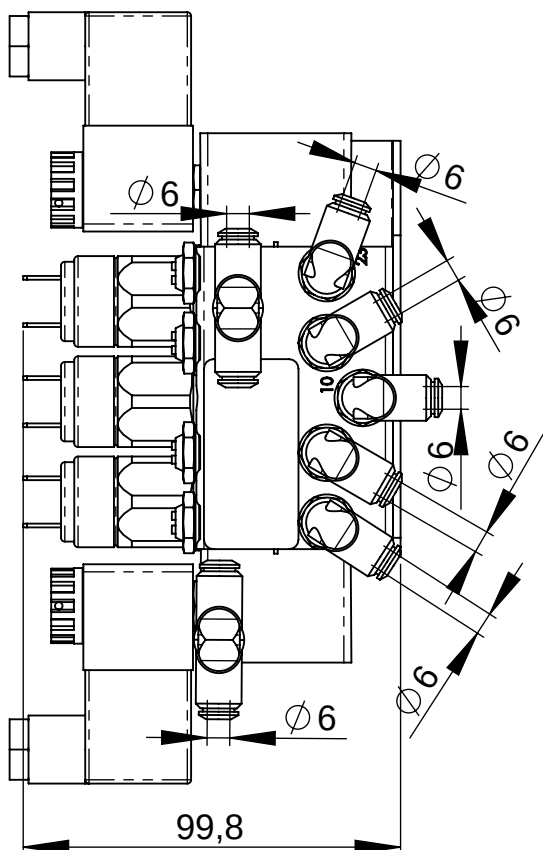
For control of doors by means of pressure air. For use in combination with actuators OK and with emergency slide valves. It is equipped with pressure switch for checking the system pressure (permanent set value 6.3 MPa). The block includes throttle valves for control of door leaf speed. Its design ensures slow filling of the system after the use of the emergency valve. The packing includes cable with 8-pin connector.

Medium connection:

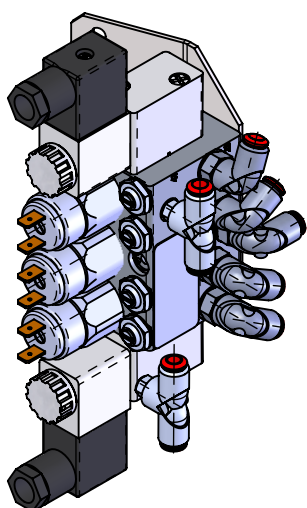
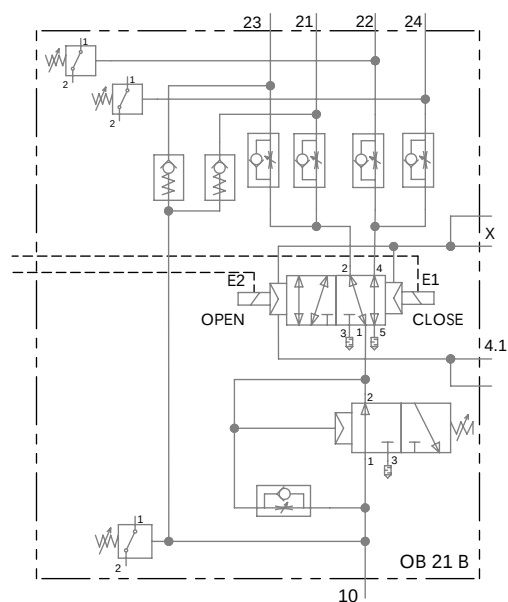
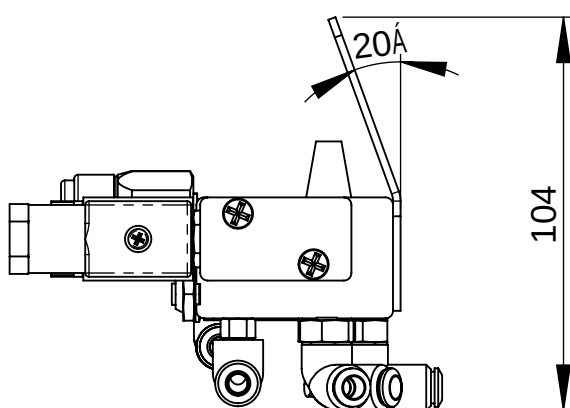
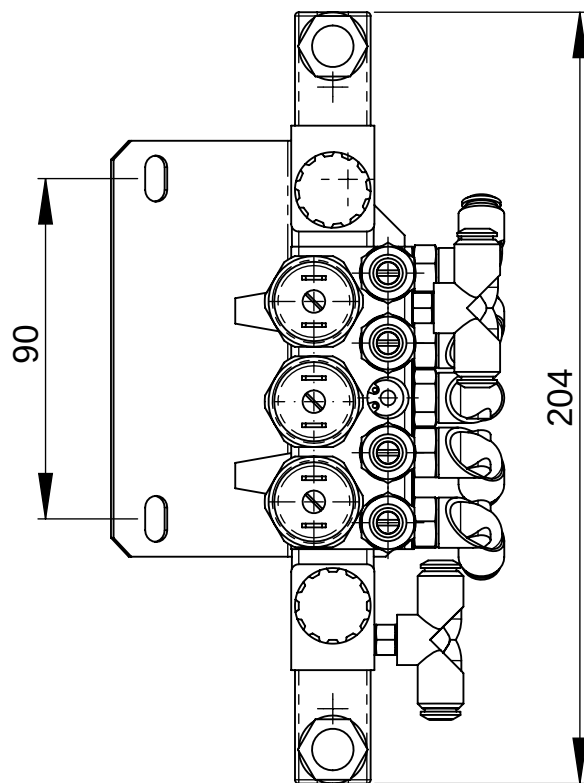
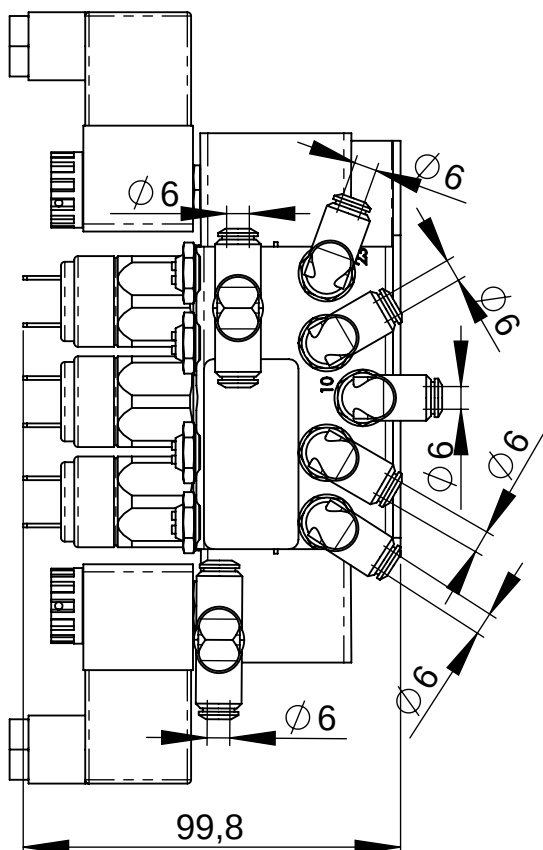
Tubes 6/4



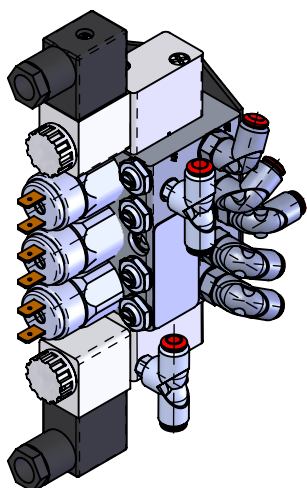
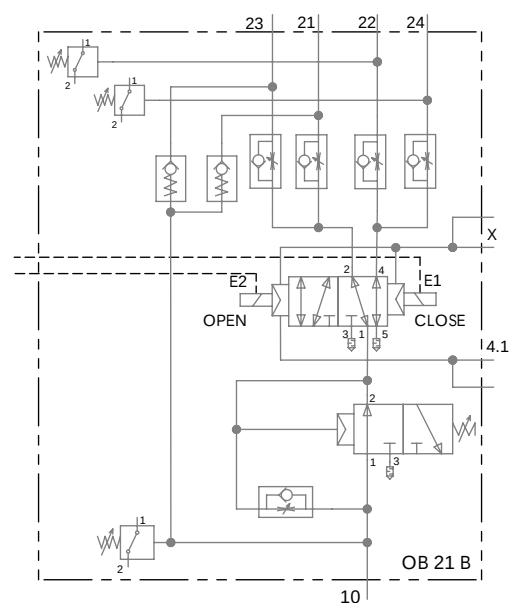
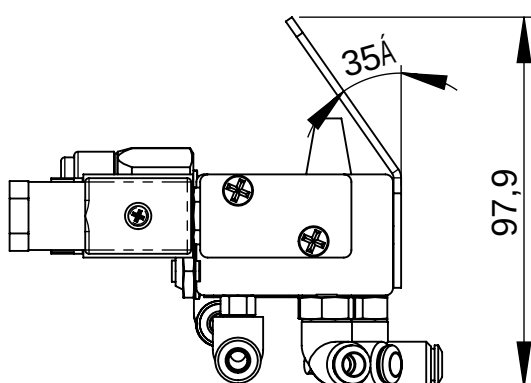
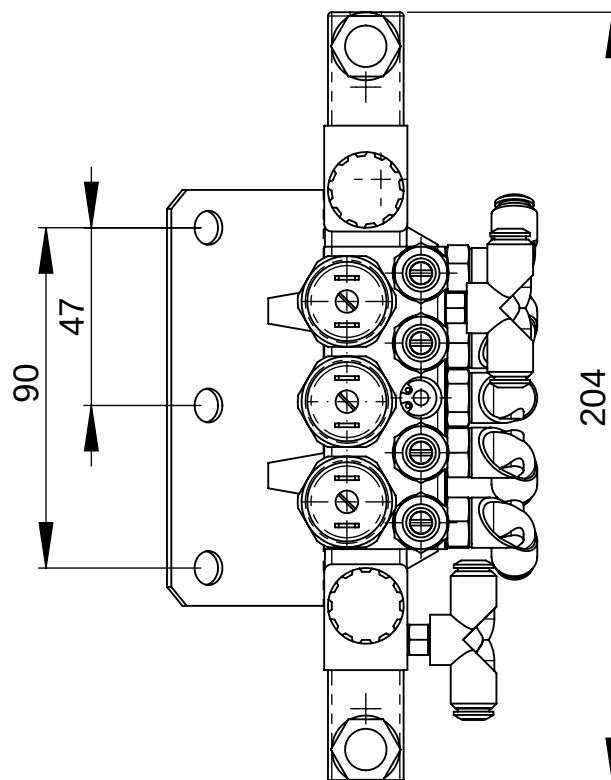
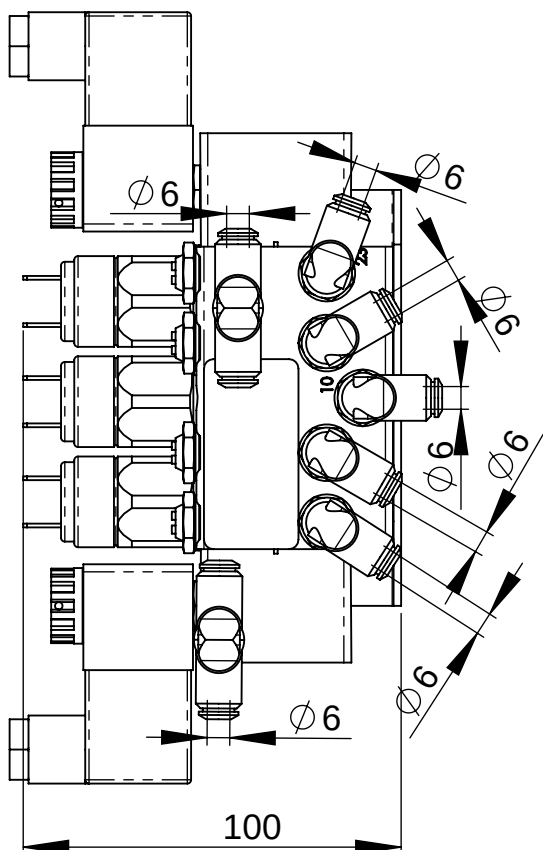
Type:	Control block OB 21
Function:	For control of doors by means of pressure air. For use in combination with actuators OK and with emergency slide valves. It is equipped with pressure switch for checking the system pressure (permanent set value 6.3 MPa) and with 2 switches for for reverse function (adjustable). The block includes throttle valves for control of door leaf speed. Its design ensures slow filling of the system after the use of the emergency valve. The packing includes cable with 8-pin connector.
Medium connection:	Tubes 6/4



Type:	Control block OB 21
Function:	For control of doors by means of pressure air. For use in combination with actuators OK and with emergency slide valves. It is equipped with pressure switch for checking the system pressure (permanent set value 6.3 MPa) and with 2 switches for for reverse function (adjustable). The block includes throttle valves for control of door leaf speed. Its design ensures slow filling of the system after the use of the emergency valve. The packing includes cable with 8-pin connector.
Medium connection:	Tubes 6/4



Typ:	Ovládací blok OB 21
Funkce:	Slouží k ovládnutí dvou pomocných stlačeného vzduchu. Je určen pro použití v kombinaci s ovládacími OK a s groupškovými nouzovými ventily. Je opatřen tlakovým spínačem pro kontrolu tlaku v systému (trvale nastavení na hodnotu 6,3 MPa) a dvěma spínači pro zajištění funkce reverzu (nastavitelné) pro každé oddělení. V bloku jsou integrované gkrty ventily pro šzení rychlosti pohybu kšdel dveř. Blok svojí konstrukcí zajišuje pomalé napuštění systému po použití nouzového ventilu. Balení obsahuje kabelšg s 10-ti pinovými konektorem.
Připojení média:	Hadiřky 6/4



Type:

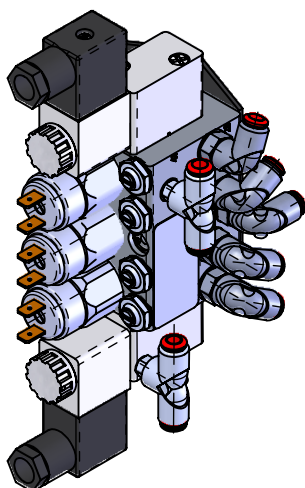
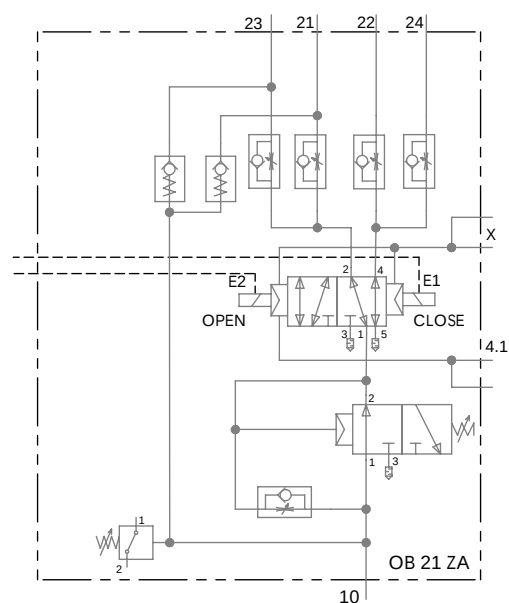
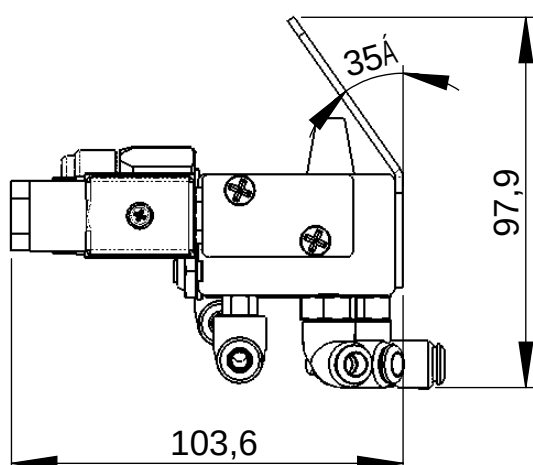
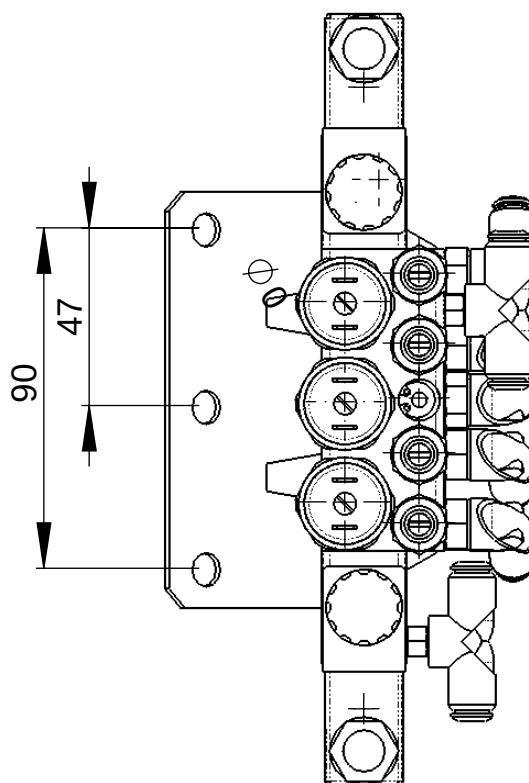
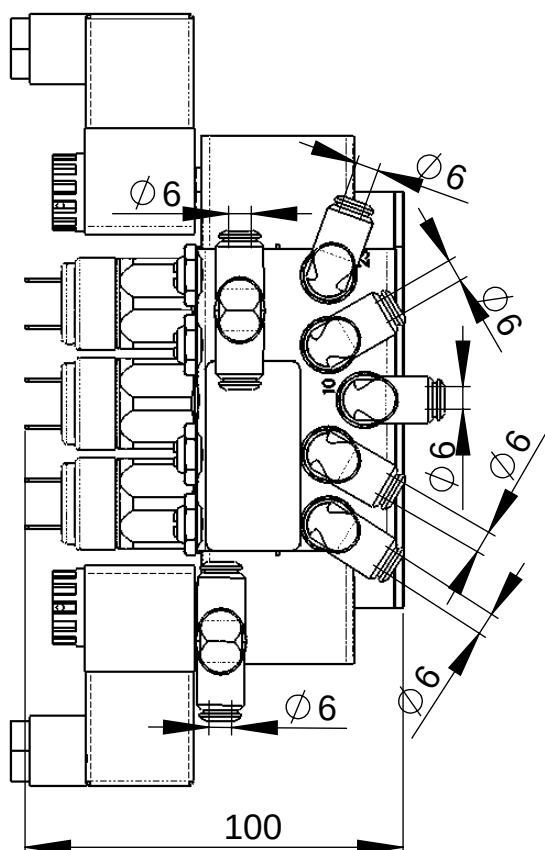
Control block OB 21

Function:

For control of doors by means of pressure air. For use in combination with actuators OK and with emergency slide valves. It is equipped with pressure switch for checking the system pressure (permanent set value 6.3 MPa) and with 2 switches for reverse function (adjustable). The block includes throttle valves for control of door leaf speed. Its design ensures slow filling of the system after the use of the emergency valve. The packing includes cable with 10-pin connector.

Medium connection:

Tubes 6/4



Type:

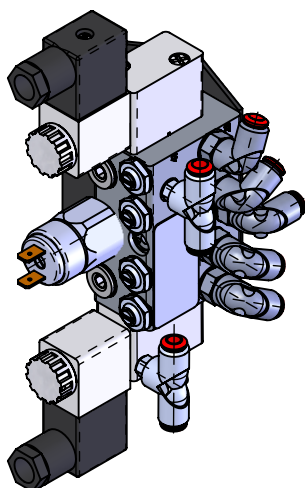
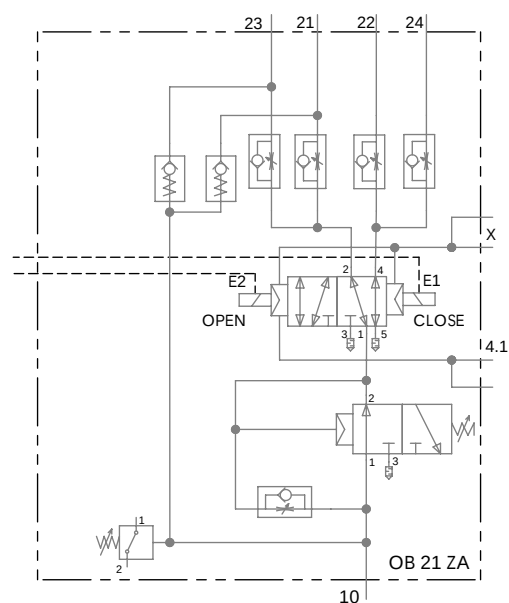
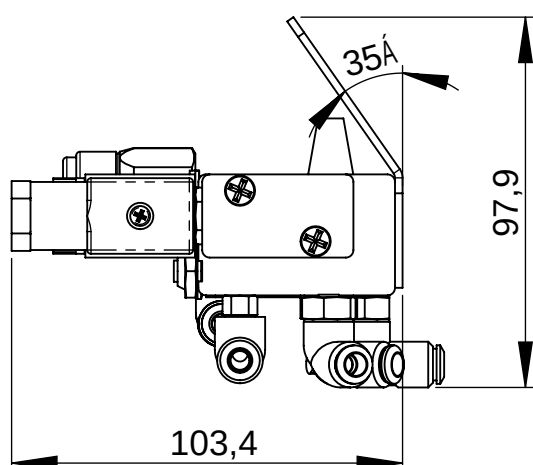
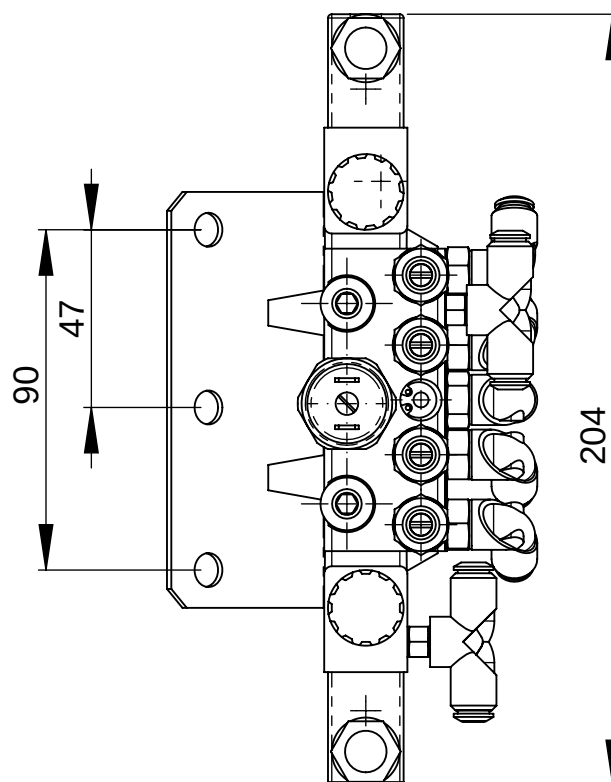
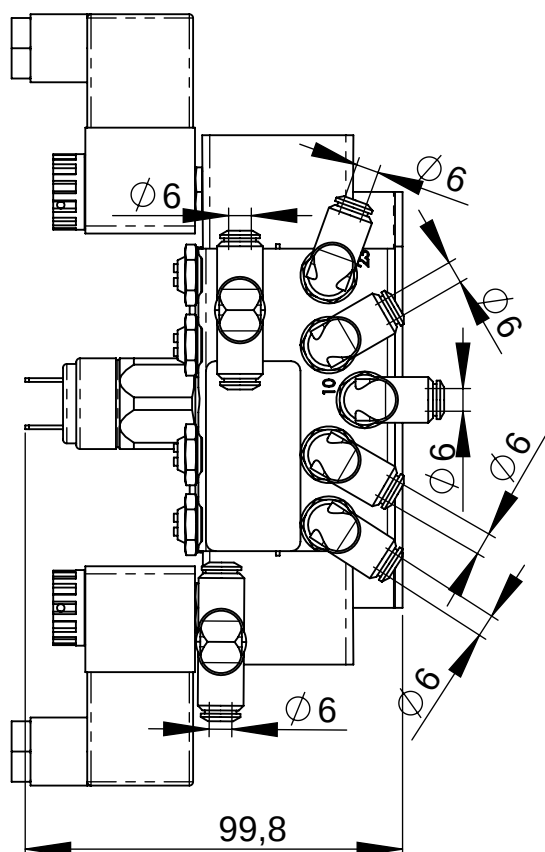
Control block OB 21

Function:

For control of doors by means of pressure air. For use in combination with actuators OK and with emergency slide valves. It is equipped with pressure switch for checking the system pressure (permanent set value 6.3 MPa). The block includes throttle valves for control of door leaf speed. Its design ensures slow filling of the system after the use of the emergency valve. The packing includes cable with 8-pin connector.

Medium connection:

Tubes 6/4



Type:

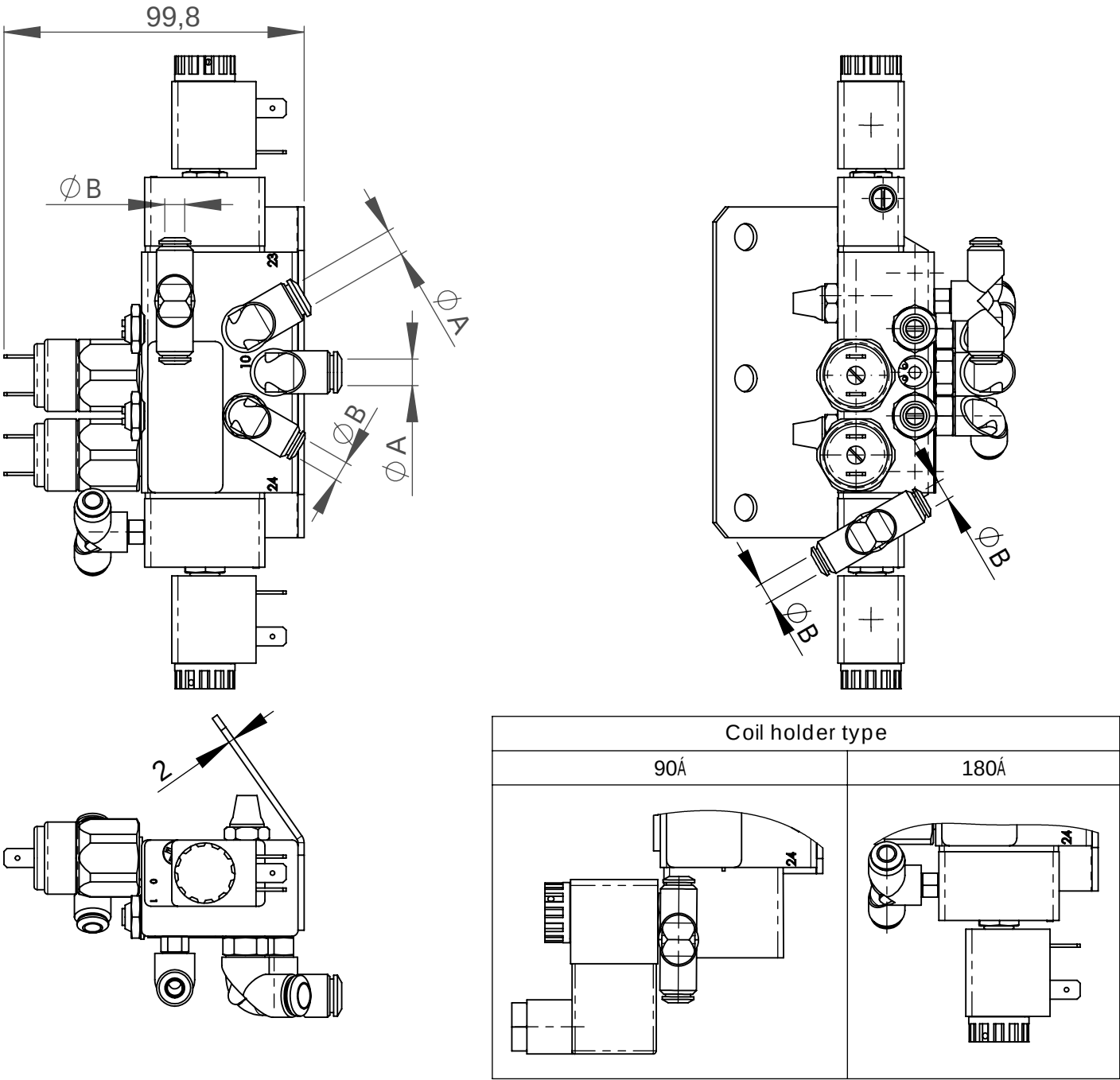
Control block OB 21

Function:

For control of doors by means of pressure air. For use in combination with actuators OK and with emergency slide valves. It is equipped with pressure switch for checking the system pressure (permanent set value 6.3 MPa). The block includes throttle valves for control of door leaf speed. Its design ensures slow filling of the system after the use of the emergency valve. The packing includes cable with 10-pin connector and device for 1 button control.

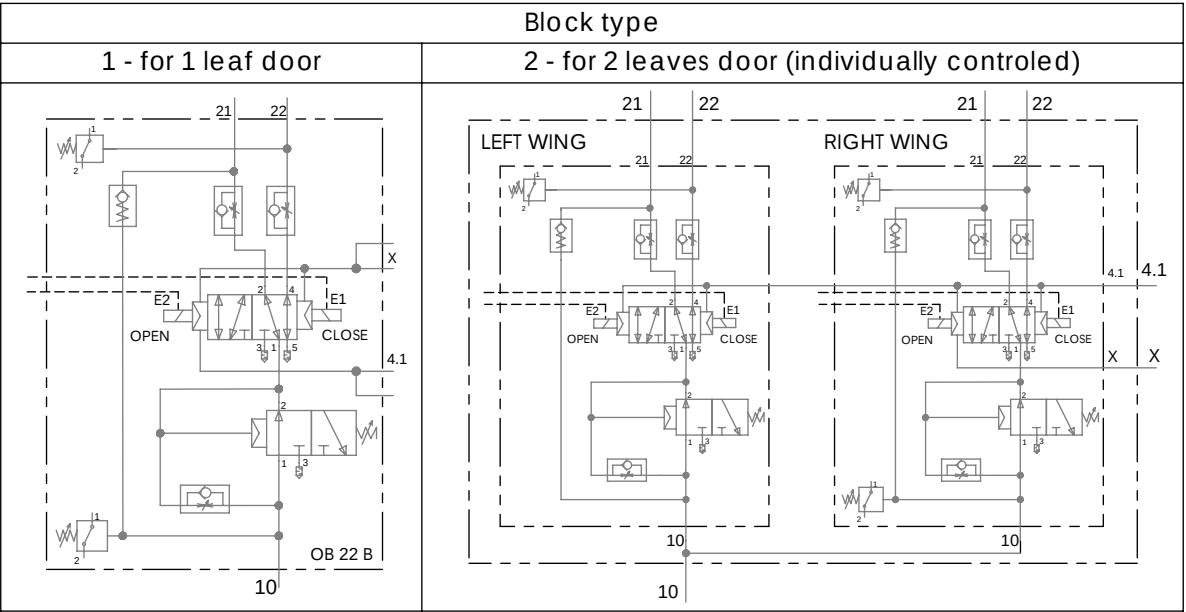
Medium connection:

Tubes 6/4

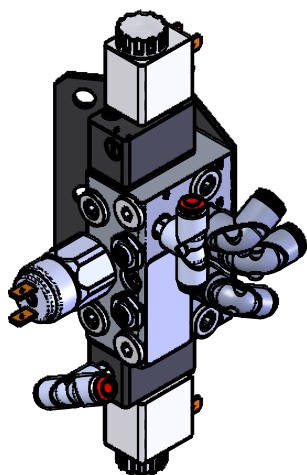
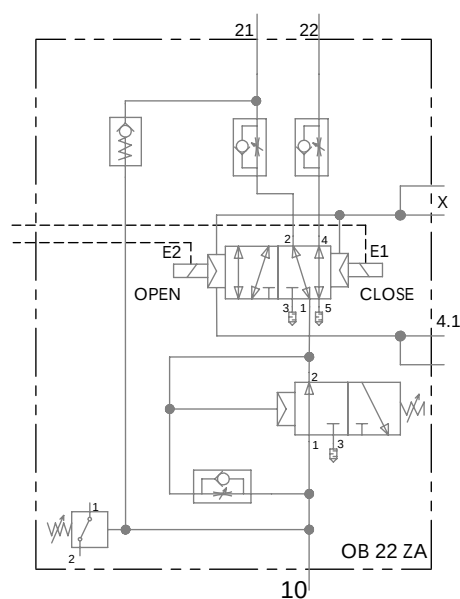
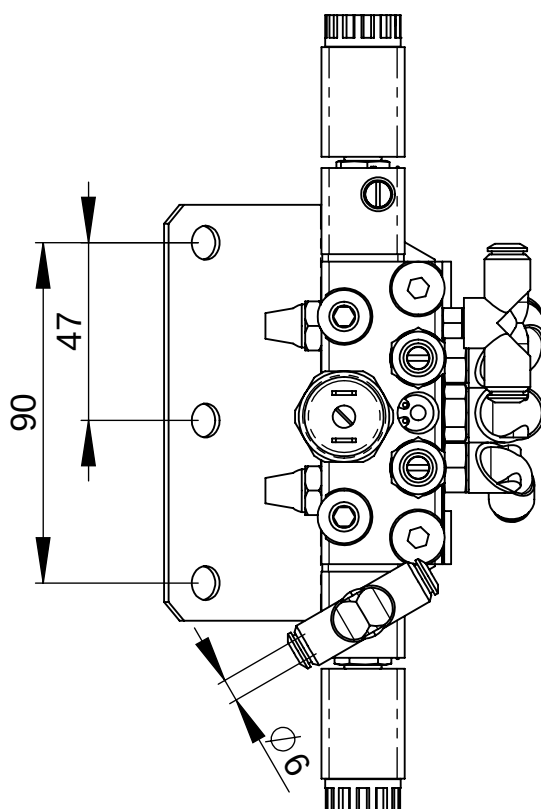
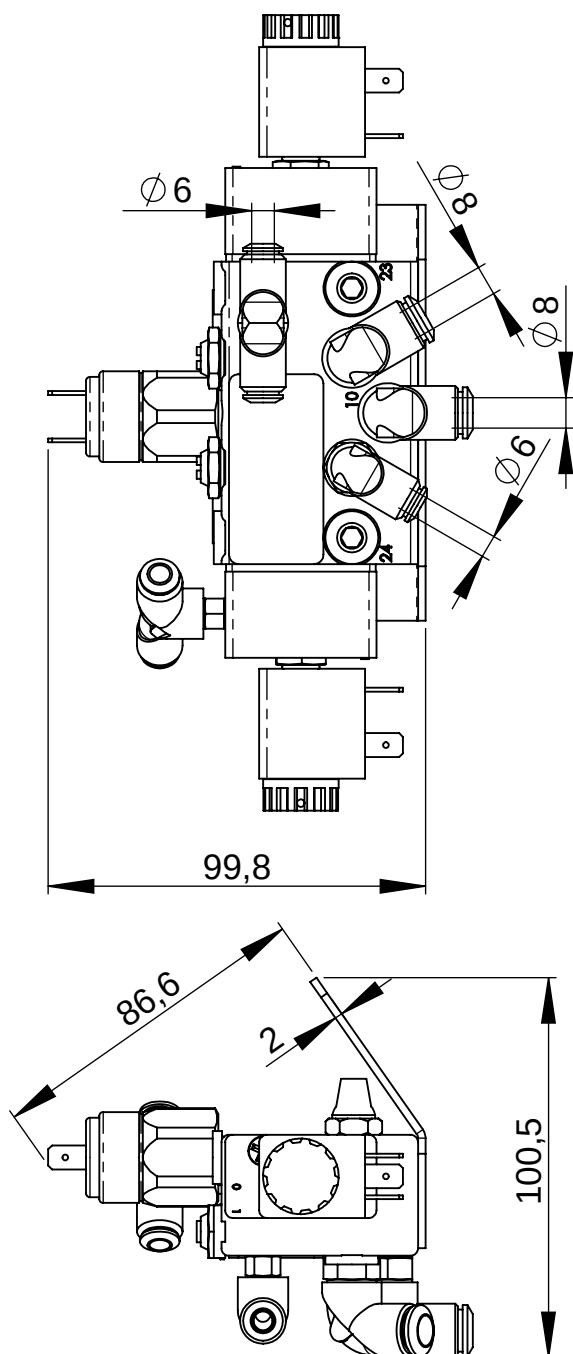


Supplied versions										
Nr.	Ord. Nr.	Type	Pressure switch q.	Coil h. type	Block type	Tube Ø		El. conn.		1BOS
						A	B	Pins.		
1	23300788	ZA	1	180Á	1	8	6			
2	23300786	B	2	180Á	1	8	6			
3	23305998	ZD	1	90Á	1	6	6		8	
4	23306024	ZD B	1	90Á	1	6	6		8	
5	23306218	ZD BE	1	90Á	1	6	6		10	
6	23306217	ZD E	1	90Á	1	6	6		10	
7	23306195	ZD W	1	90Á	1	6	6		10	
8	23306222	ZDB W	1	90Á	1	6	6		10	
9	23305403	R	3	180Á	2	8	6			
10	23306002	R OTD	3	90Á	2	6	6		2x8	
11	23306026	O OTD	3	90Á	2	6	6		2x8	
12	23306220	R OTD E	3	90Á	2	6	6		2x10	
13	23306221	O OTD E	3	90Á	2	6	6		2x10	
14	23306196	R OTD W	3	90Á	2	6	6		2x10	
15	23306225	O OTD W	3	90Á	2	6	6		2x10	
16	23306057	ZD DS	1	90Á	1	6	6		8	
17	23306351	ZD E DS	1	90Á	1	6	6		10	

Note: 1BOS - 1 Button operated switch



Type:	Control block OB 22
Function:	For control of doors by means of pressure air. For use in combination with actuator and with emergency slide valves . It is equipped with pressure switch for checking the system pressure (permanent set value 6.3 MPa). The block includes throttle valves for control of door leaf speed. Its design ensures slow filling of the system after the use of the emergency valve.
Connection:	3 screws M8 through bracket
Medium connection:	Tubes 6/4;8/6
Nominal voltage:	24V DC



Type:

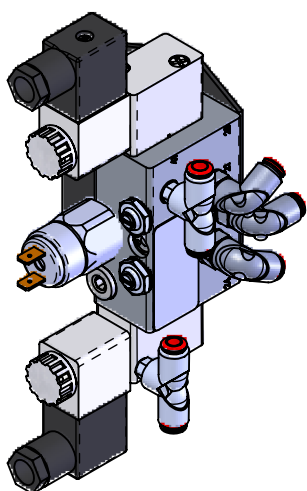
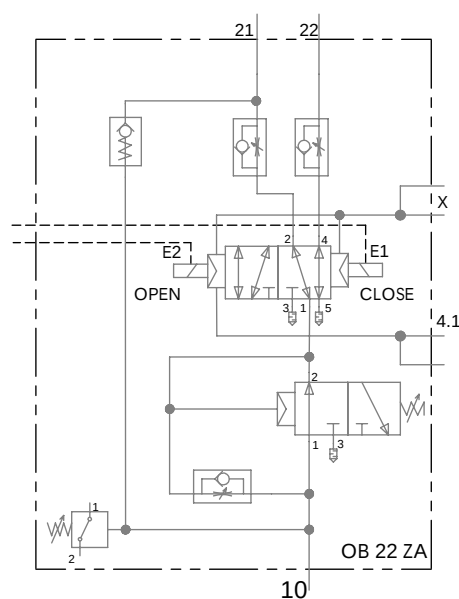
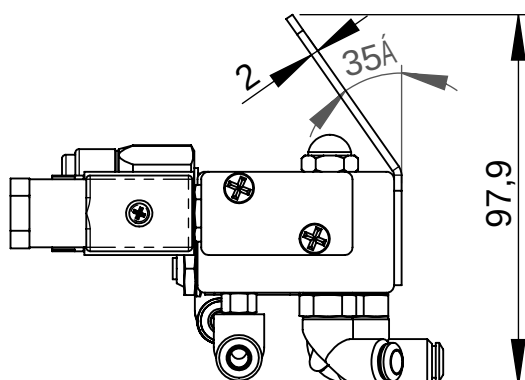
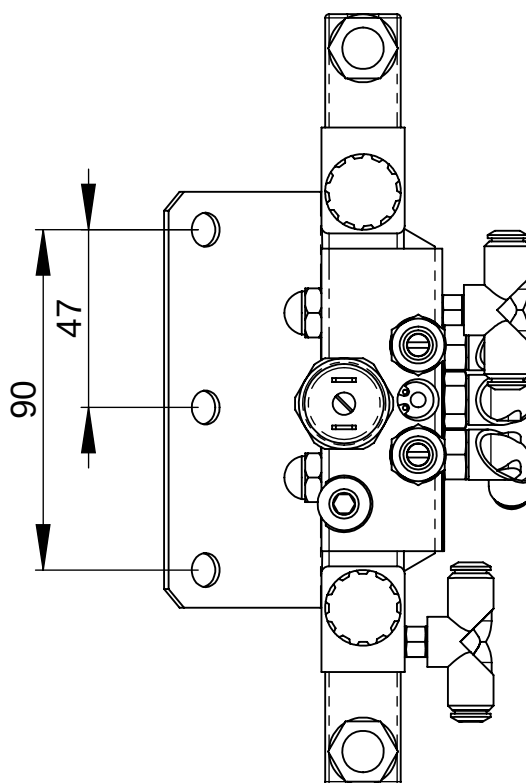
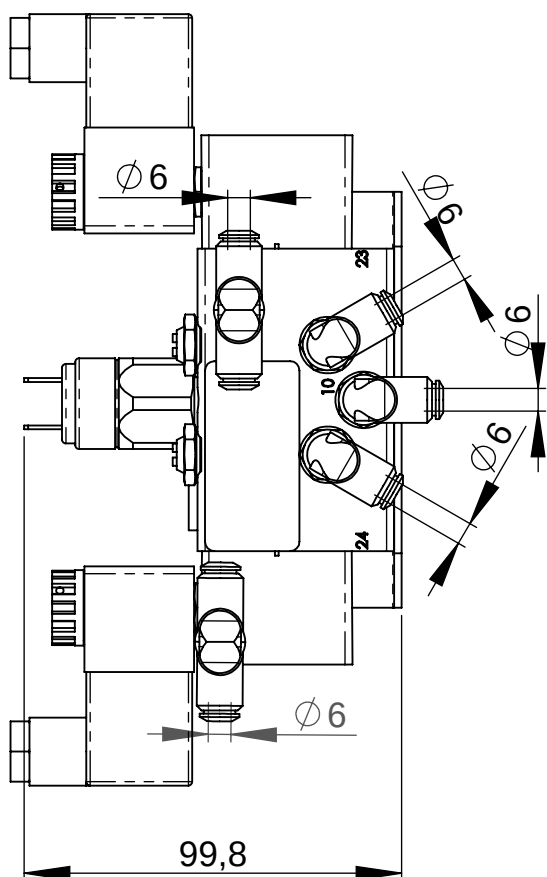
Control block OB 22

Function:

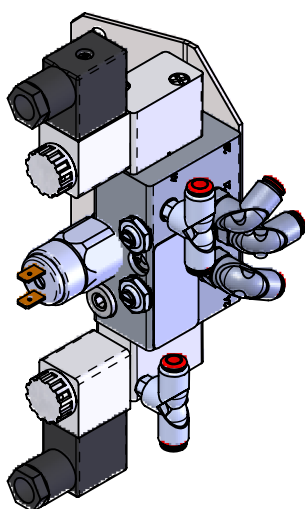
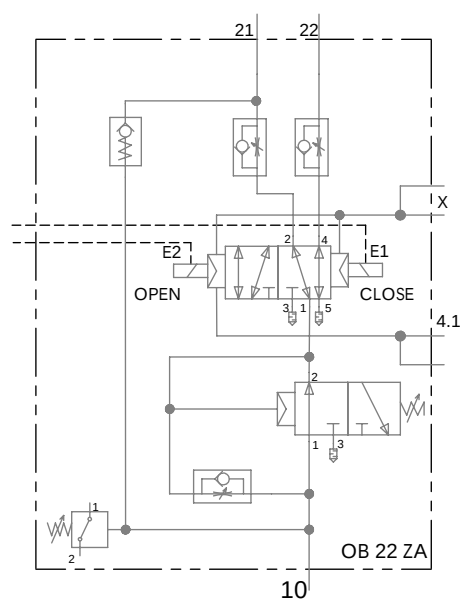
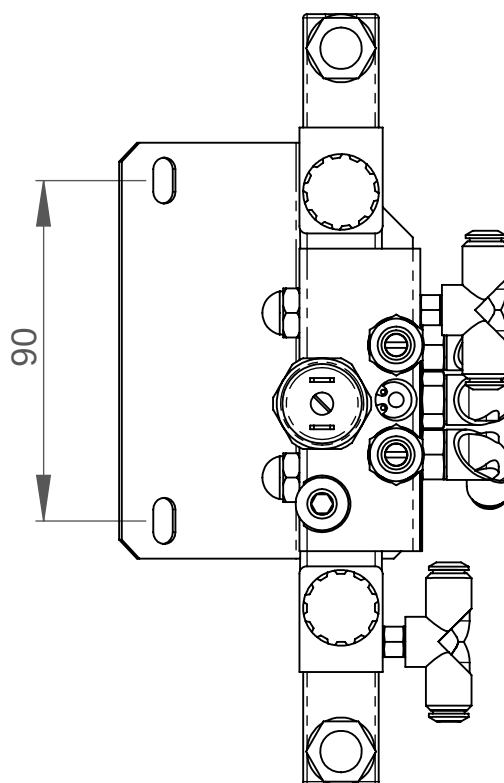
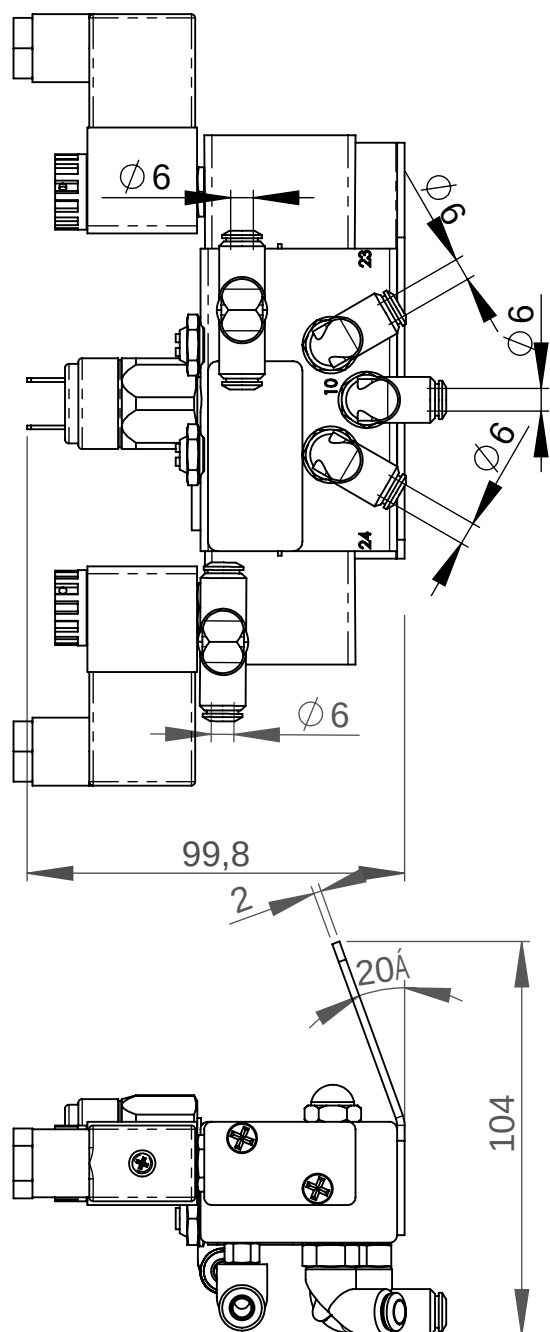
For control of one leaf doors by means of pressure air. For use in combination with actuators OK and with emergency slide valves. It is equipped with pressure switch for checking the system pressure (permanent set value 6.3 MPa). The block includes throttle valves for control of door leaf speed. Its design ensures slow filling of the system after the use of the emergency valve.

Medium connection:

Tubes 6/4;8/6



Type:	Control block OB 22
Function:	For control of one leaf doors by means of pressure air. For use in combination with actuators OK and with emergency slide valves. It is equipped with pressure switch for checking the system pressure (permanent set value 6.3 MPa). The block includes throttle valves for control of door leaf speed. Its design ensures slow filling of the system after the use of the emergency valve. The packing includes cable with 8-pin connector.
Medium connection:	Tubes 6/4



Type:

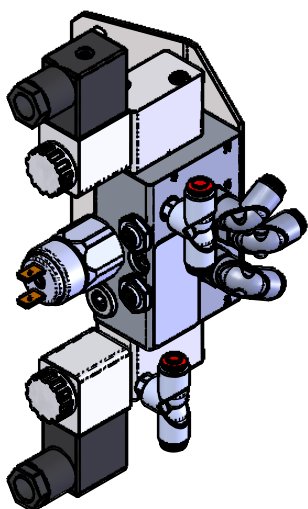
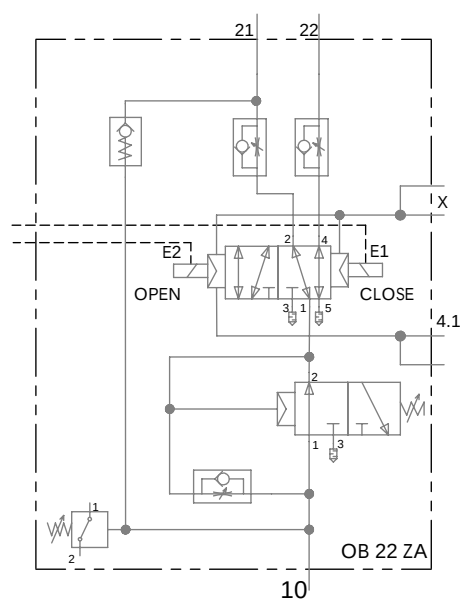
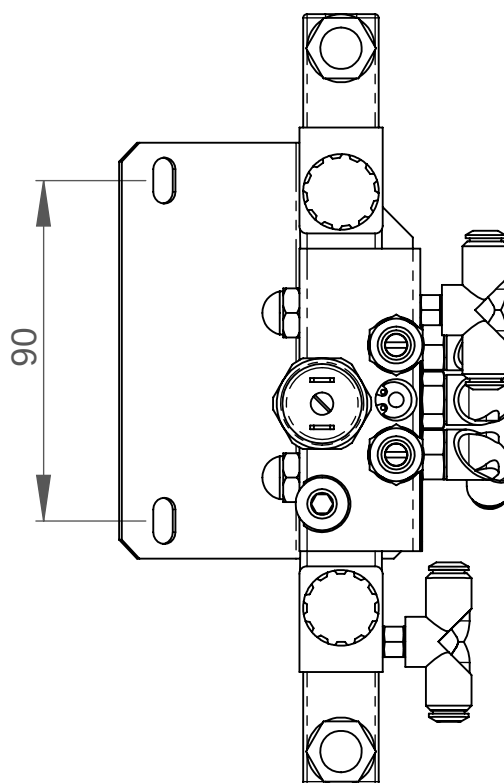
Control block OB 22

Function:

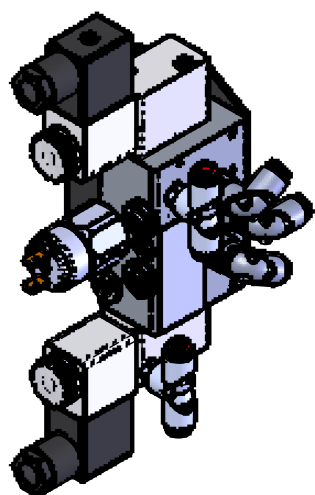
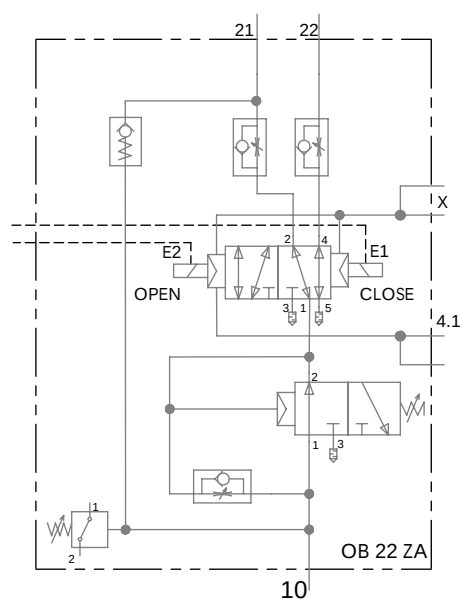
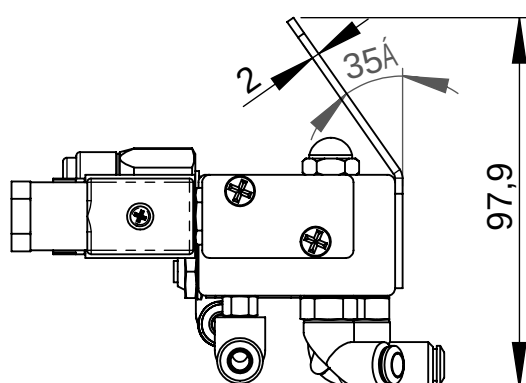
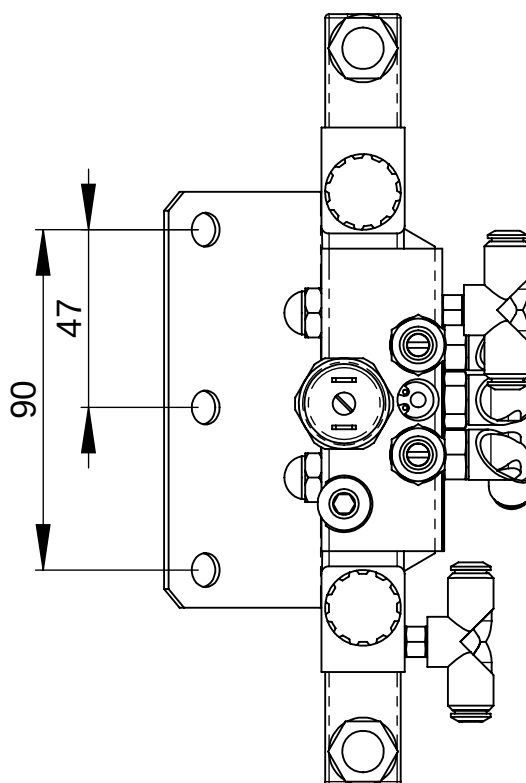
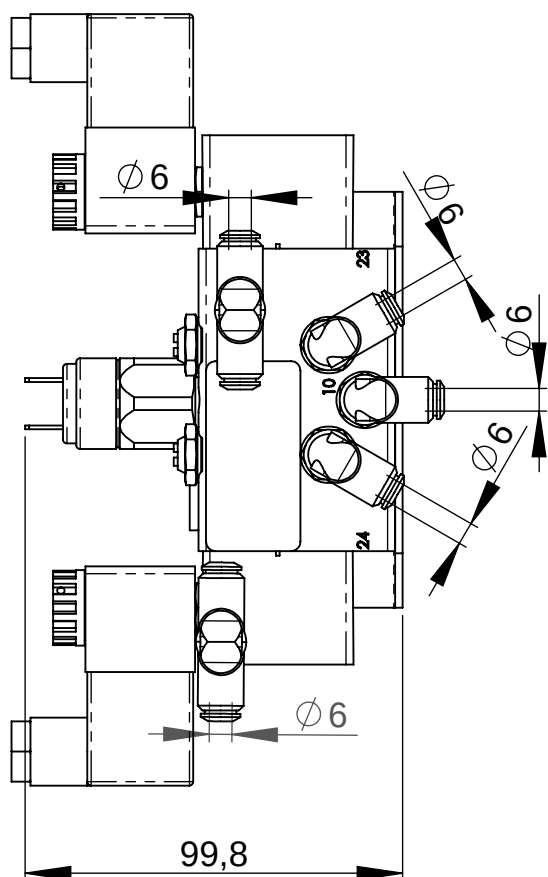
For control of one leaf doors by means of pressure air. For use in combination with actuators OK and with emergency slide valves. It is equipped with pressure switch for checking the system pressure (permanent set value 6.3 MPa). The block includes throttle valves for control of door leaf speed. Its design ensures slow filling of the system after the use of the emergency valve. The packing includes cable with 8-pin connector.

Medium connection:

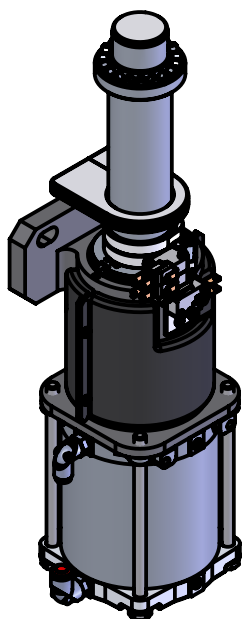
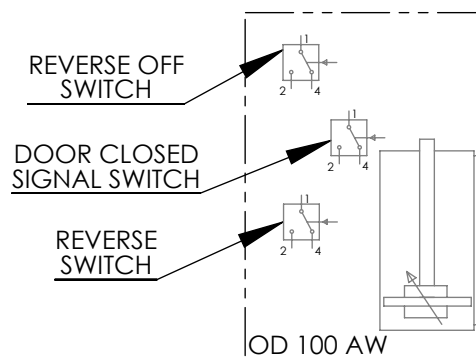
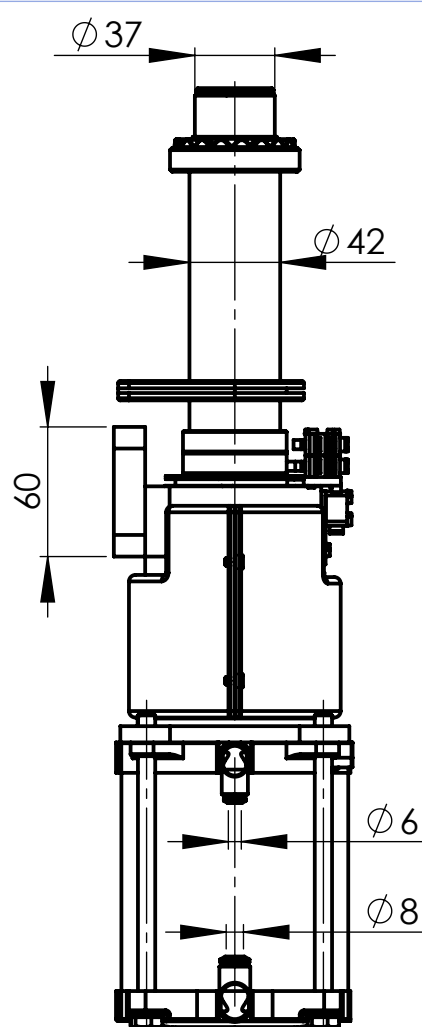
Tubes 6/4



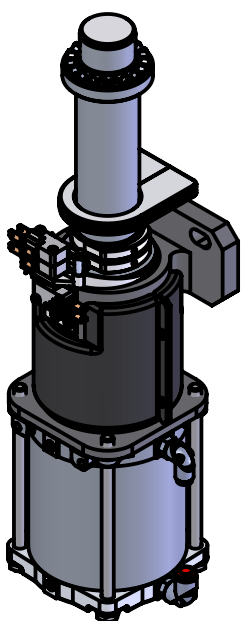
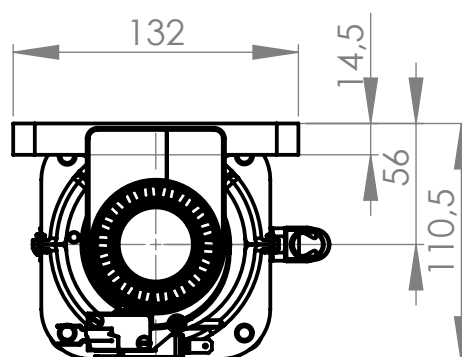
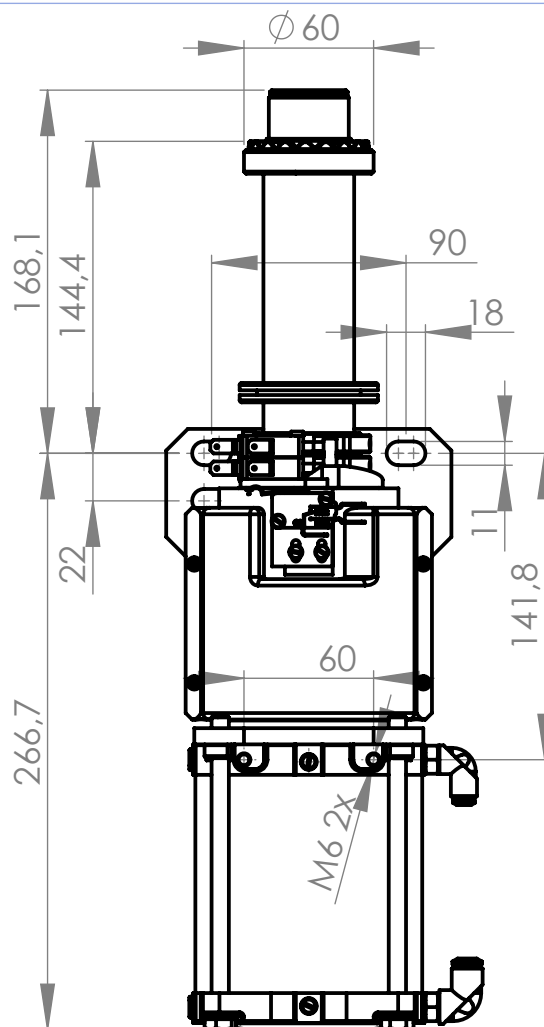
Type:	Control block OB 22
Function:	For control of one leaf doors by means of pressure air. For use in combination with actuators OK and with emergency slide valves. It is equipped with pressure switch for checking the system pressure (permanent set value 6.3 MPa). The block includes throttle valves for control of door leaf speed. Its design ensures slow filling of the system after the use of the emergency valve. The packing includes cable with 10-pin connector.
Medium connection:	Tubes 6/4



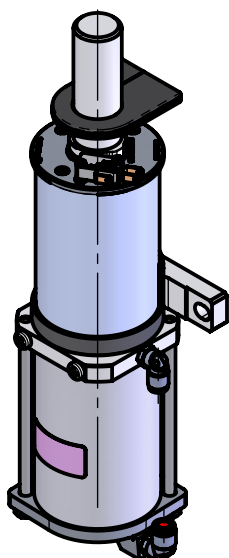
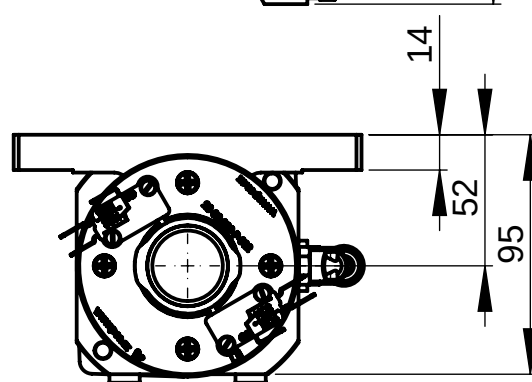
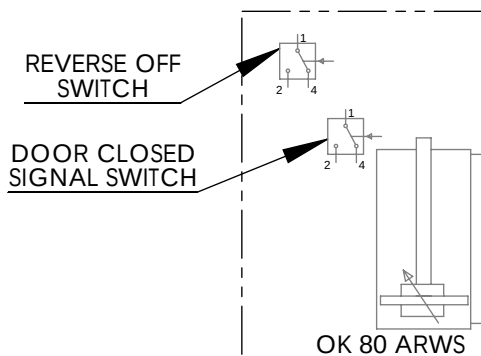
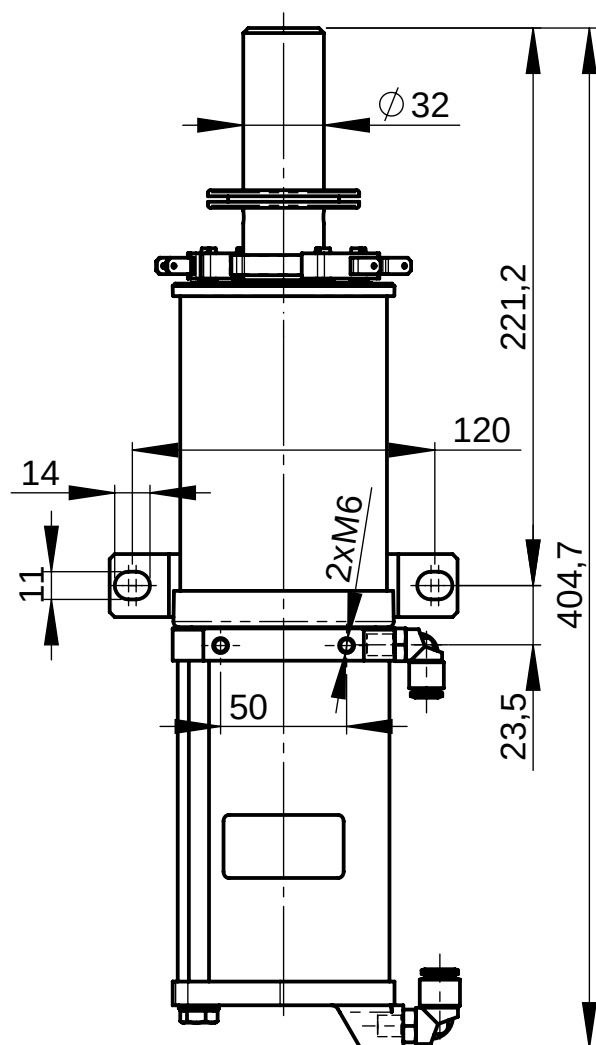
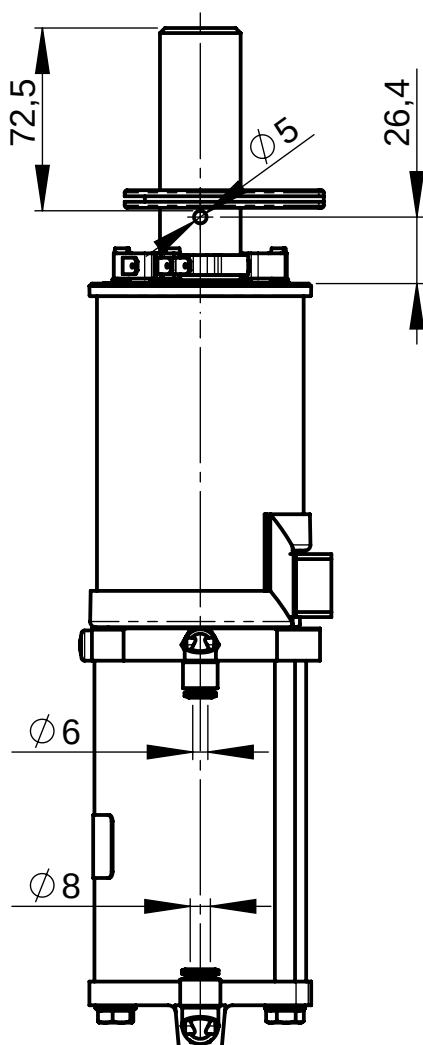
Type:	Control block OB 22
Function:	For control of one leaf doors by means of pressure air. For use in combination with actuators OK and with emergency slide valves. It is equipped with pressure switch for checking the system pressure (permanent set value 6.3 MPa). The block includes throttle valves for control of door leaf speed. Its design ensures slow filling of the system after the use of the emergency valve. The packing includes cable with 10-pin connector.
Medium connection:	Tubes 6/4



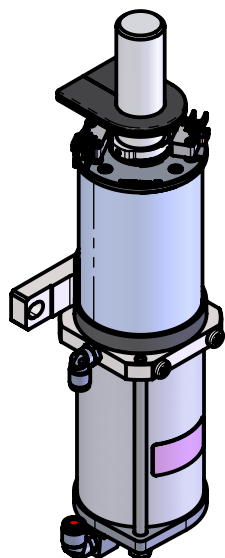
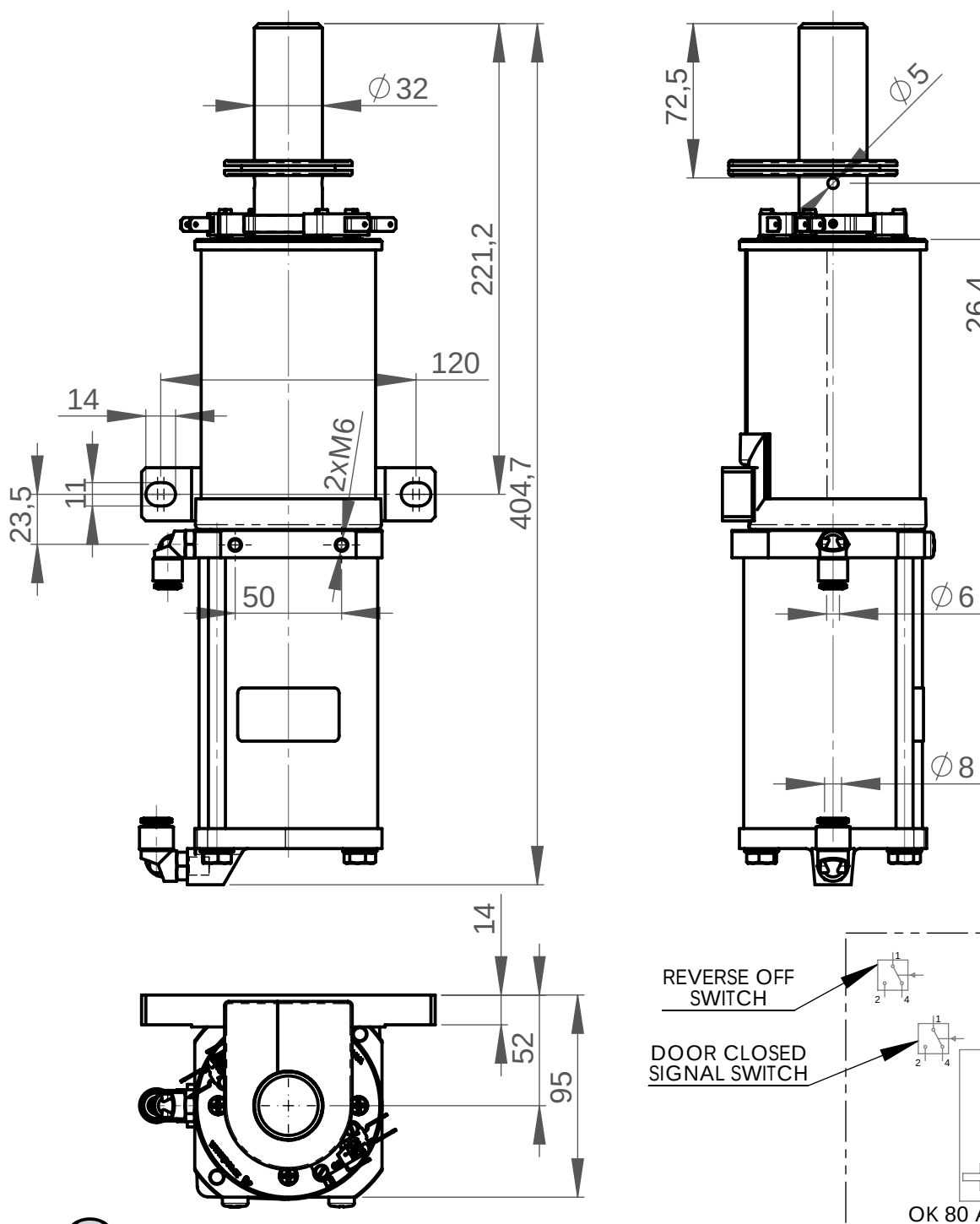
Type:	Door actuator OD 100 PT AW 145°
Output shaft turning angle:	min 145°
Connection:	3 screws M10 through bracket, thread M60x1, Ø42 for arm sleeves, and gear clutch on the output shaft
Medium connection:	Tube Ø6 (Ø8)



Type:	Door actuator OD 100 LT AW 145°
Output shaft turning angle:	min 145°
Connection:	3 screws M10 through bracket, thread M60x1, Ø42 for arm sleeves, and gear clutch on the output shaft
Medium connection:	Tube Ø6 (Ø8)



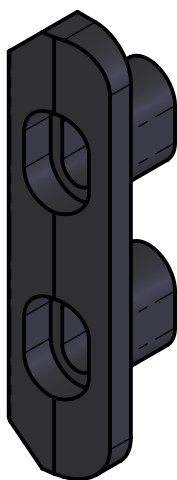
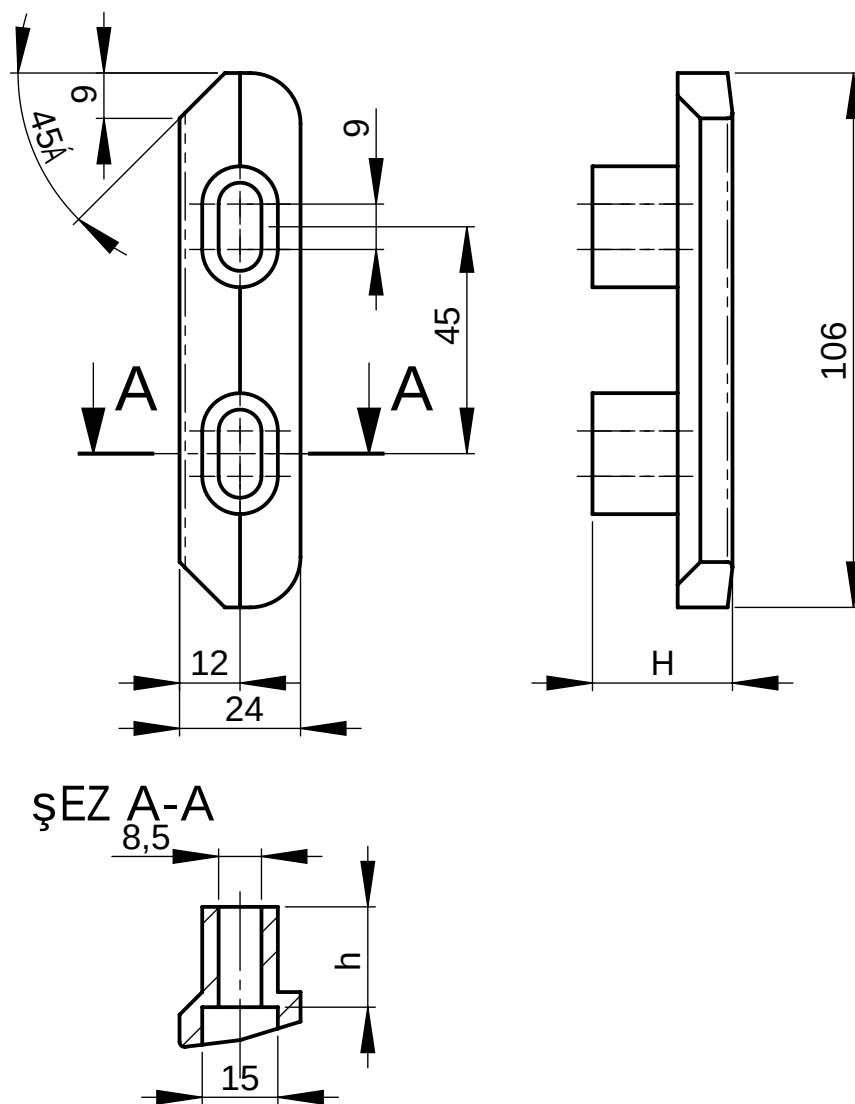
Type:	Door actuator OK 80 L ARWS
Function:	They are used for opening and closing of vehicle doors by means of pressure air. They are equipped with two microswitches for signaling the output shaft position. Blocking the door leaf during travel by means of high torque in final phase of closing.
Connection:	2x screw M10 through bracket, $\phi 32$ on output shaft 2x M6 for cover 3_5_1_1
Medium connection:	Tube 6/4, 8/6



Type:	Door actuator OK 80 R ARWS
Function:	They are used for opening and closing of vehicle doors by means of pressure air. They are equipped with two microswitches for signaling the output shaft position. Blocking the door leaf during travel by means of high torque in final phase of closing.
Connection:	2x screw M10 through bracket, Ø 32 on output shaft 2x M6 for cover 3_5_1_1
Medium connection:	Tube 6/4, 8/6

Supplied configurations

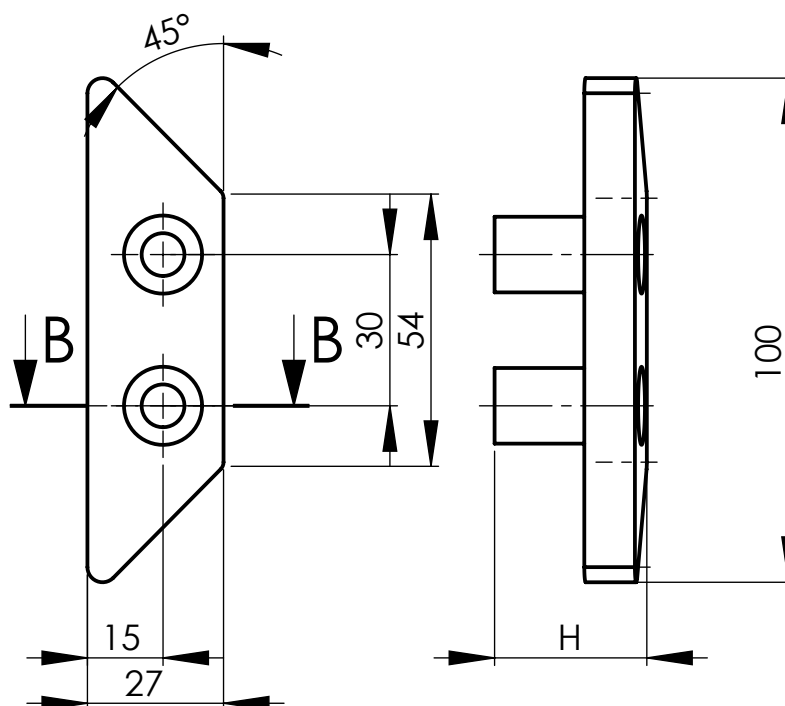
Nr.	Ord. Nr.	Name	H [mm]	h [mm]	3D model	3D view
1	23410080	WEDGE 1 / 15	15	7		
2	23409800	WEDGE 1 / 21,5	21,5	15,3		
3	23411593	WEDGE 1 / 28	28	19,9		



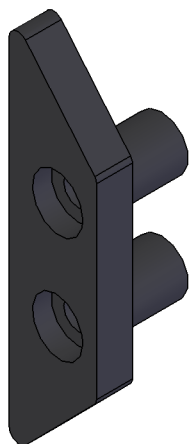
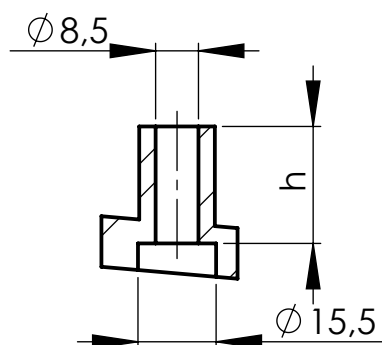
Type:	Wedge 1
Function:	Securing the door leaf during travel by means of shape (used in couple with Wedge 2 - 3_6_3_2)
Materials	Cast iron
Connection:	2x screw M8 throught the wedge body
Working position:	Vertical

Supplied configurations

Nr.	Ord. Nr.	Name	H [mm]	h [mm]	3D model	3D view
1	23410081	WEDGE 2 / 15	15	9,4		
2	23409801	WEDGE 2 / 17	17	11,4		
3	23411598	WEDGE 2 / 30,2	30,2	23,2		

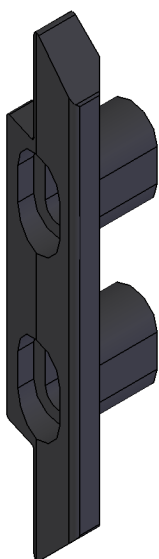
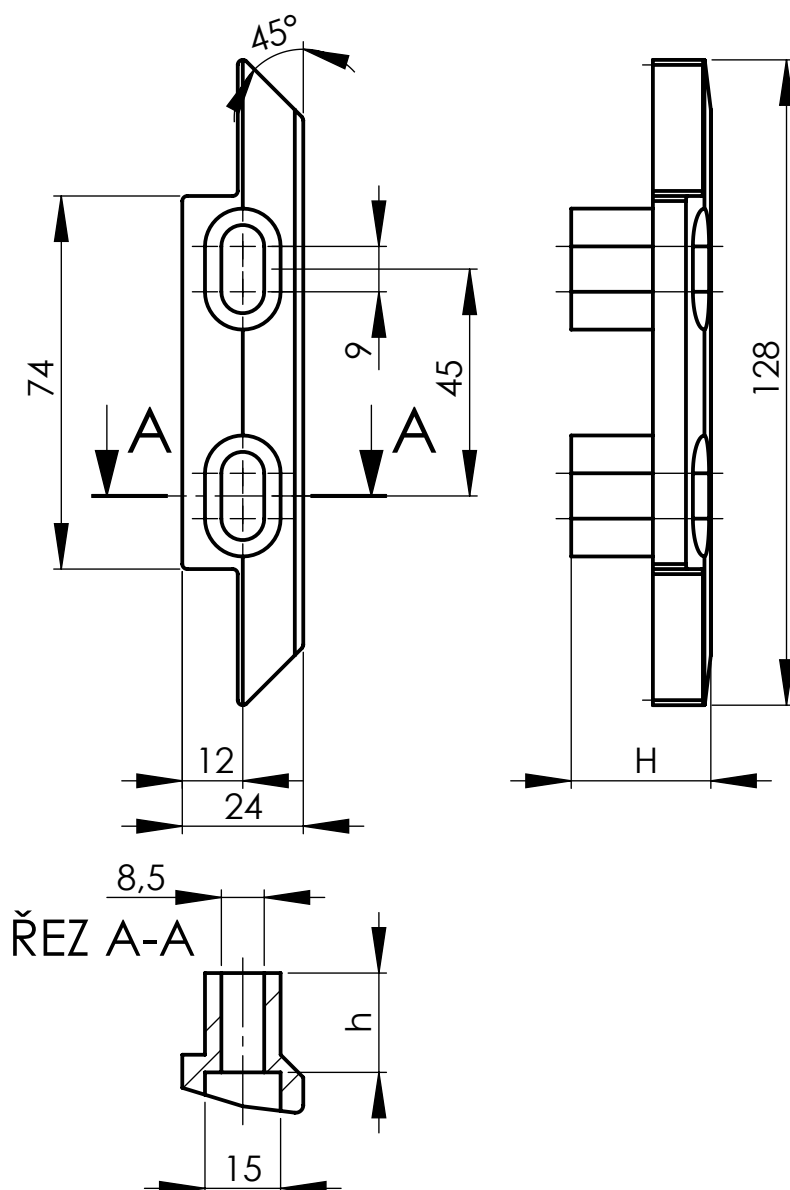


ŘEZ B-B



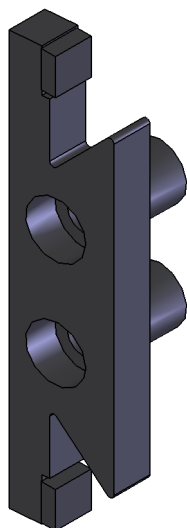
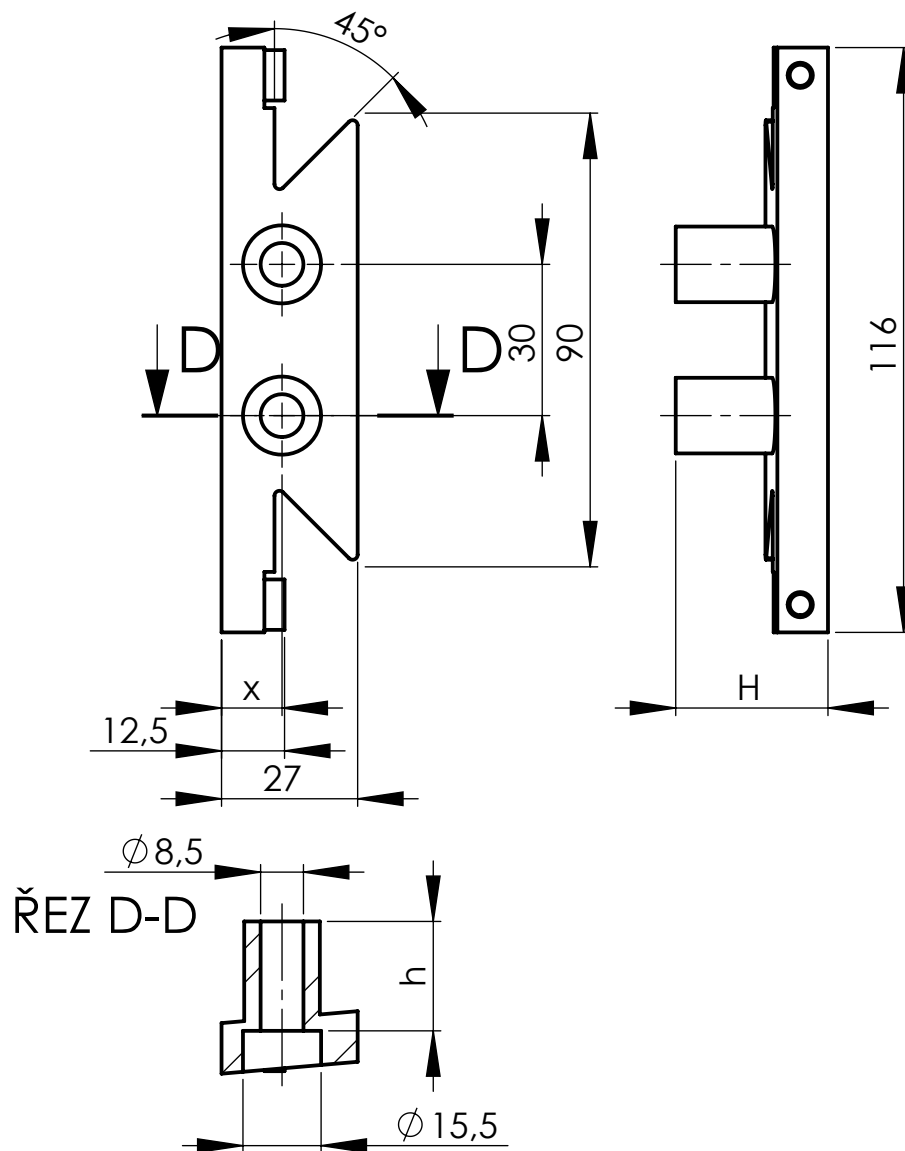
Type:	Wedge 2
Function:	Securing the door leaf during travel by means of shape (used in couple with Wedge 2 - 3_6_3_1)
Materials	Cast iron
Connection:	2x screw M8 through the wedge body
Working position:	Vertical

Supplied version						
Nr.	Ord. Nr.	Name	H [mm]	h [mm]	3D model	3D view
1	23410082	WEDGE 3 / 15	15	6,9		
2	23409802	WEDGE 3 / 21,5	21,5	13,5		
3	23411590	WEDGE 3 / 28	28	19,7		

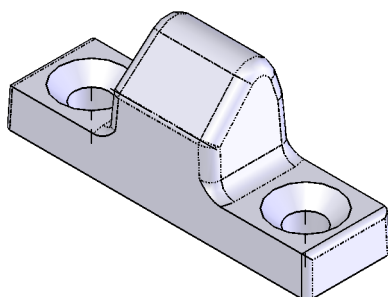
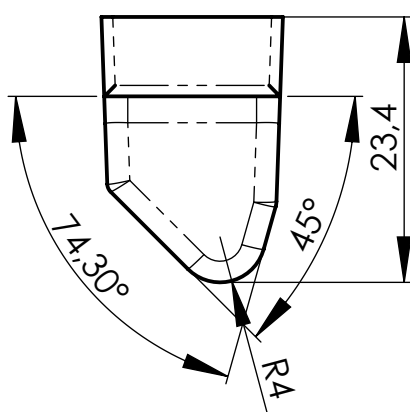
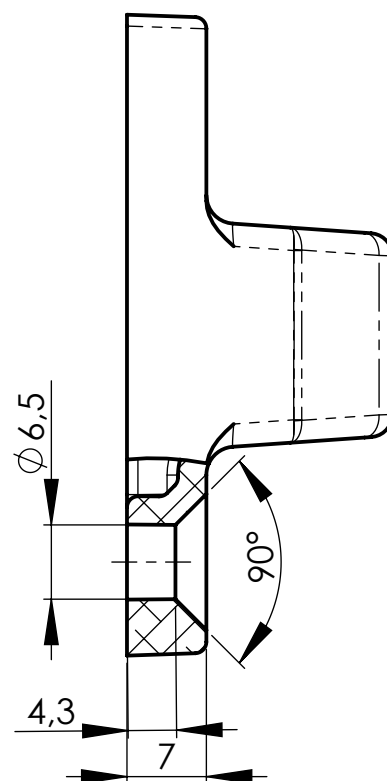
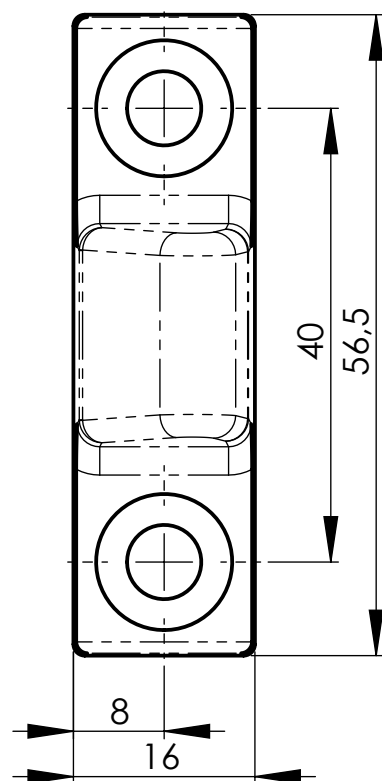


Type:	Wedge 3
Function:	Securing the door leaf during travel by means of shape (used in couple with Wedge 4 - 3_6_3_4)
Materials:	Cast iron
Connection:	2 screws M8 through the wedge body
Working position:	Vertical

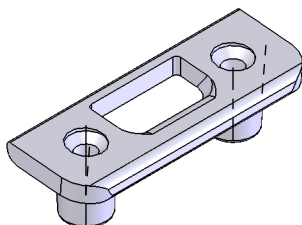
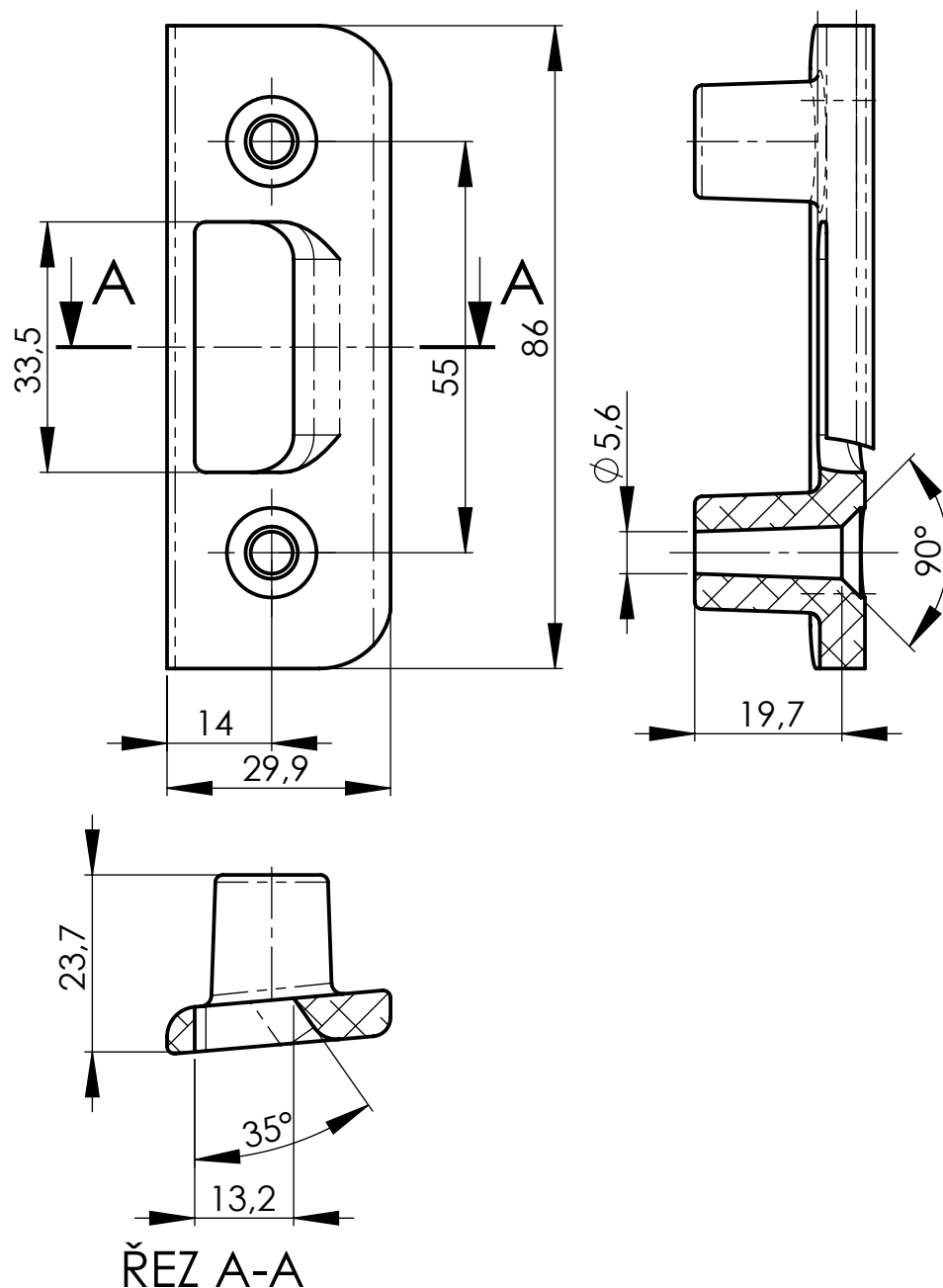
Supplied version							
Nr.	Ord. Nr.	Name	H [mm]	h [mm]	x [mm]	3D model	3D view
1	23409803	WEDGE 4 / 16	16	9	10,5		
2	23410083	WEDGE 4 / 16,5	16,5	9,5	10,5		
3	23411591	WEDGE 4 / 30,2	30,2	19,7	12		



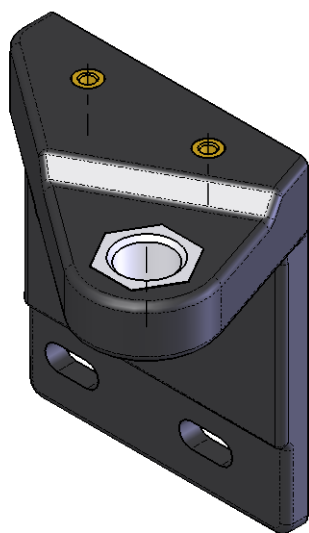
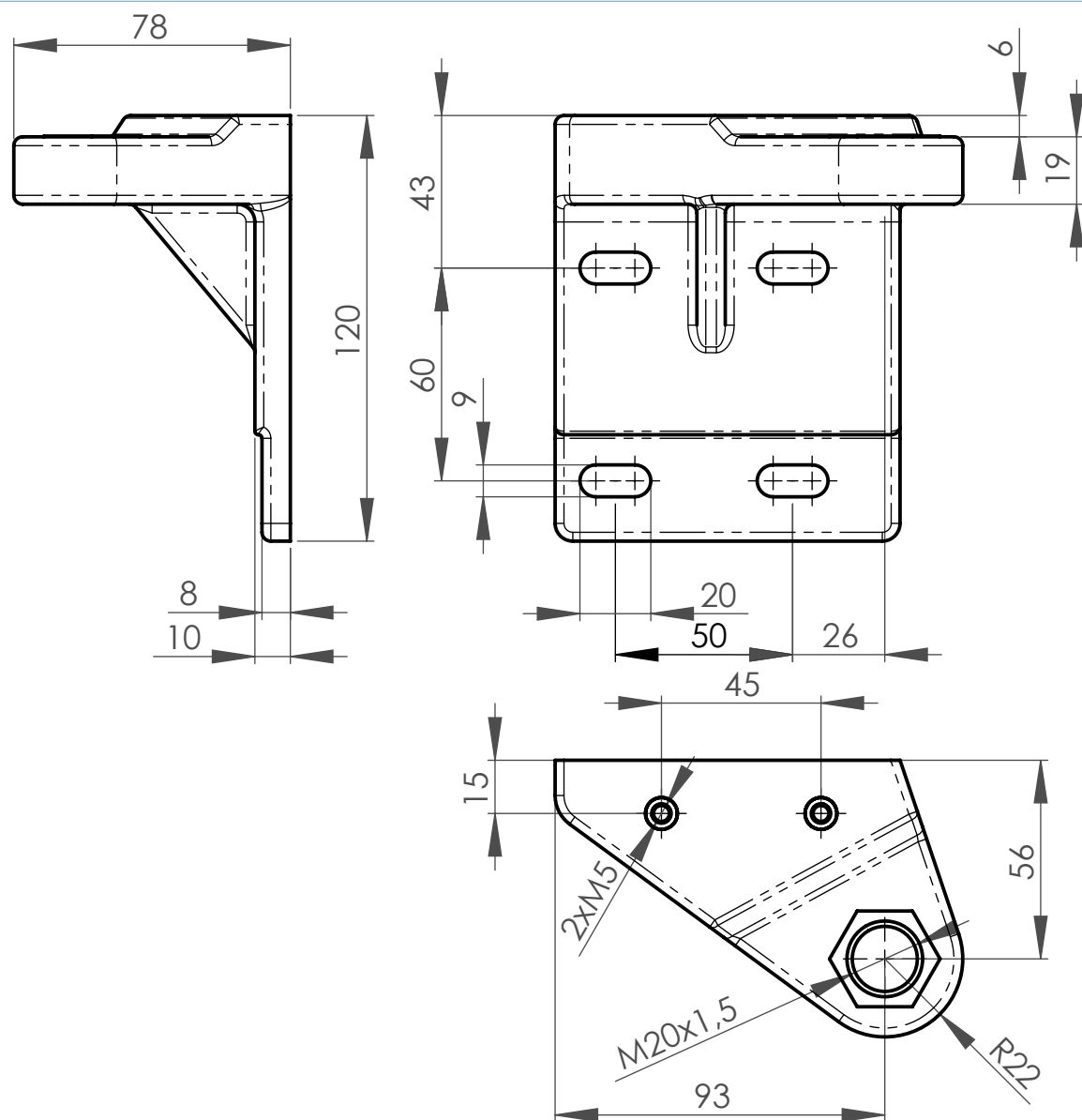
Type:	Wedge 4
Function:	Securing the door leaf during travel by means of shape (used in couple with Wedge3 - 3_6_3_3)
Materials:	Cast iron
Connection:	2 screws M8 through the wedge body
Working position:	Vertical



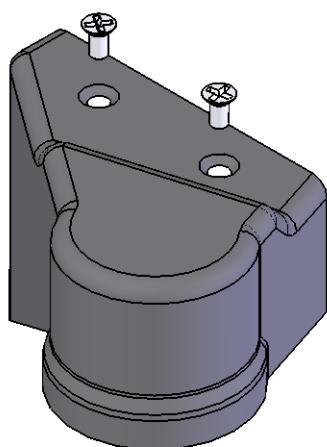
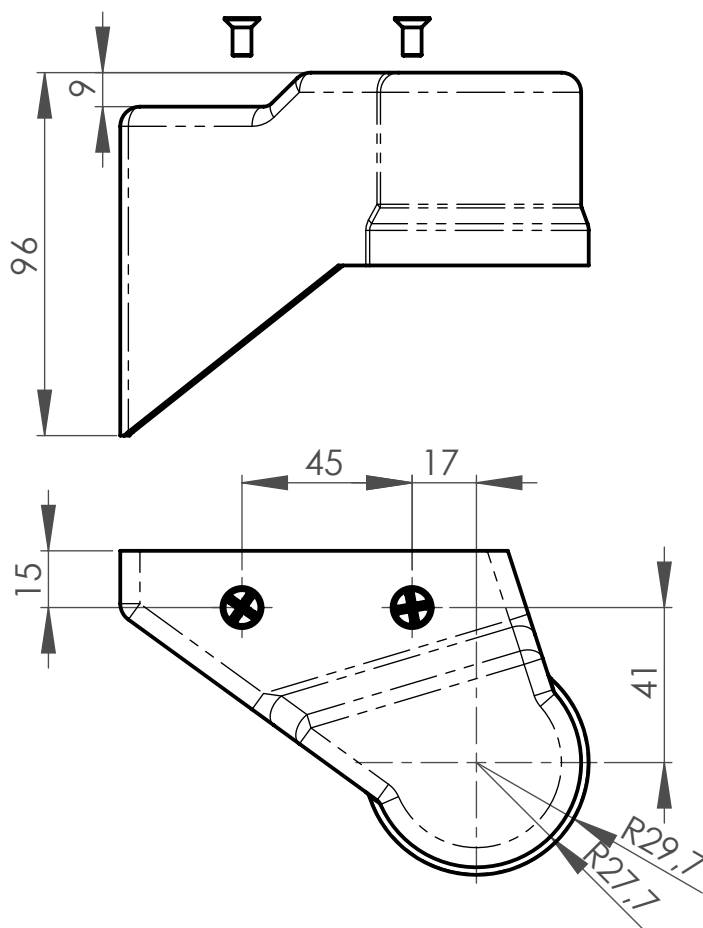
Type:	Leaf wedge
Function:	Securing the door leaf during travel by means of shape (used in couple with Upper wedge 3_6_3_6)
Materials	Zinc alloy
Connection:	2x screw M6 throught the wedge body
Working position:	Horizontal (on the upper edge of the door leaf)



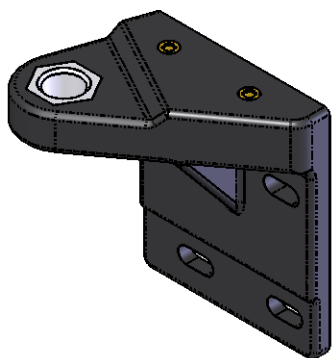
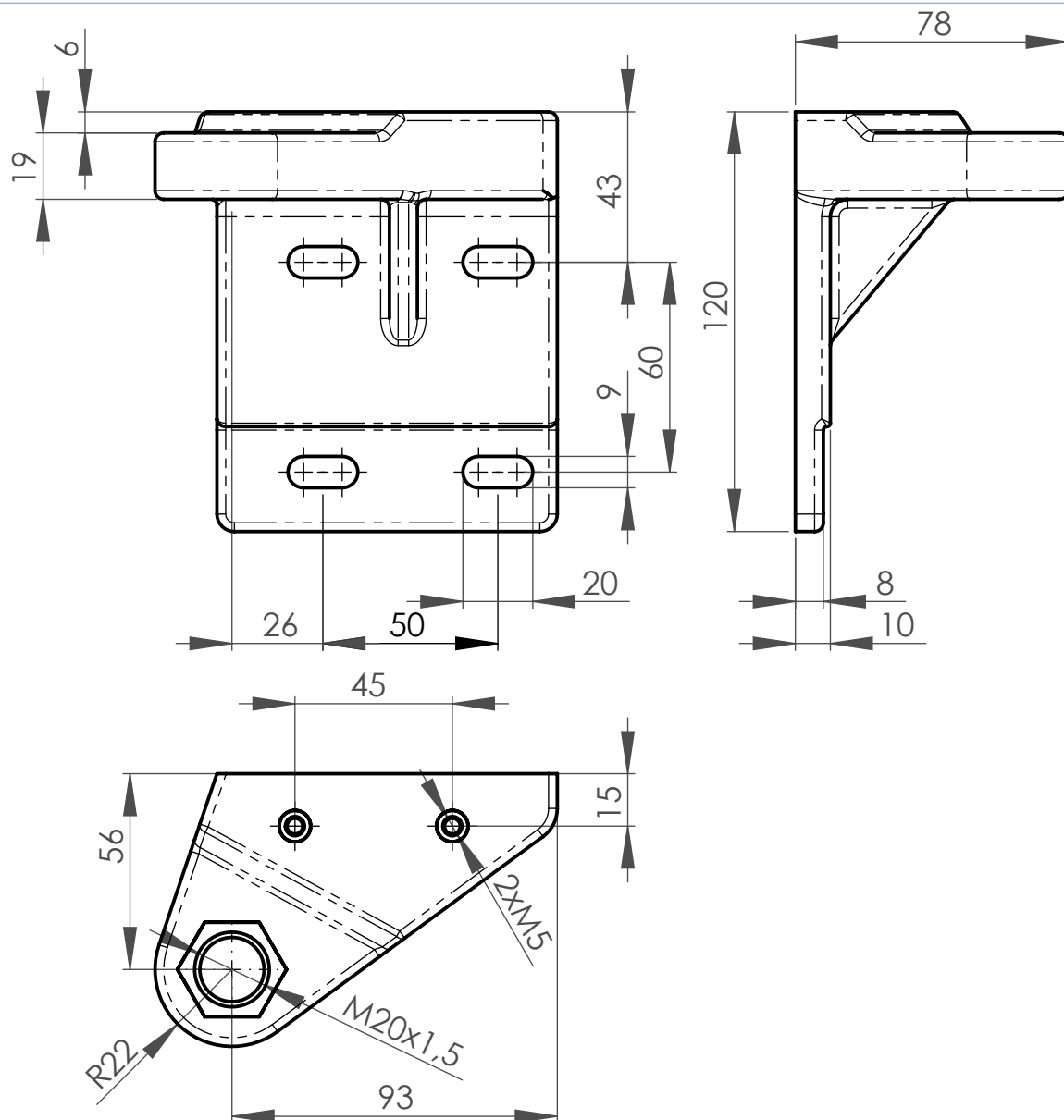
Type:	Upper wedge
Function:	Securing the door leaf during travel by means of shape (used in couple with Leaf wedge 3_6_3_5)
Materials	Zinc alloy
Connection:	2x screw M5 through the wedge body
Working position:	Horizontal (on the upper edge of the door frame)



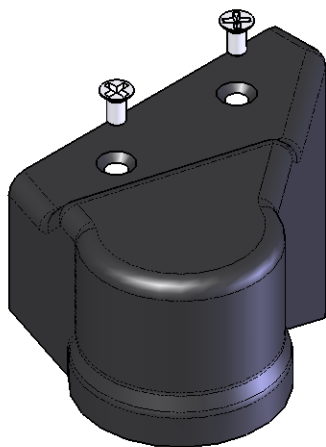
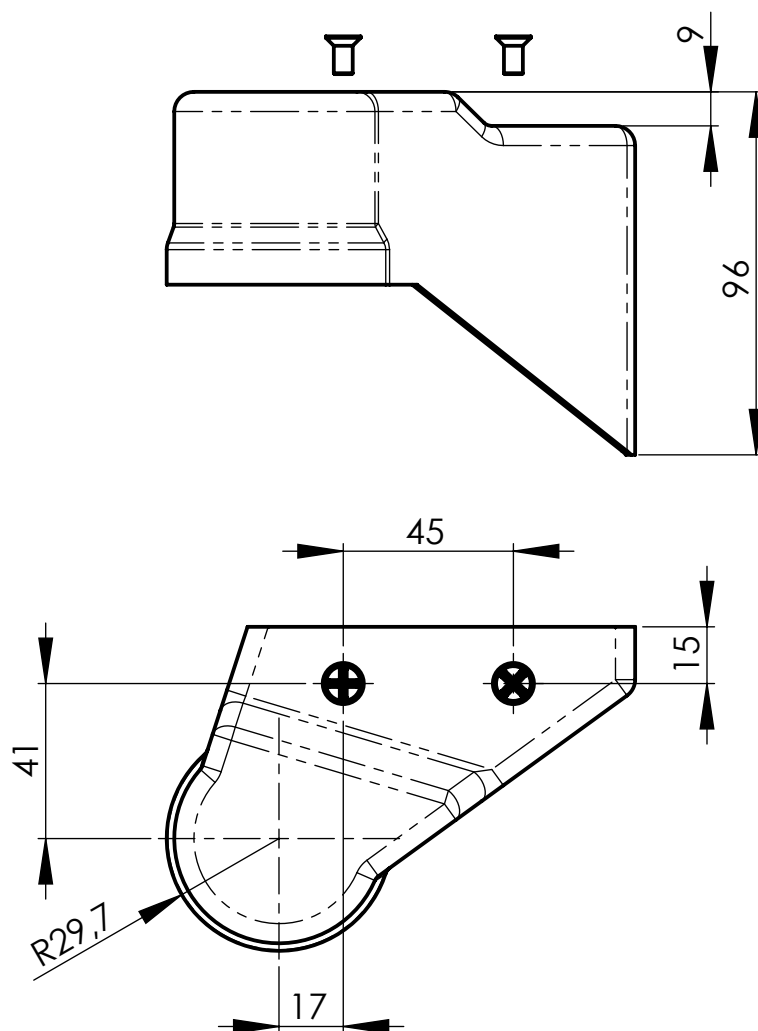
Type:	Holder Al M20x1,5 L
Function:	Connection of the left leaf of the door with the bus wall through the tension screw; catching actuator reaction
Design:	Casting
Materials	Al alloy, Cu alloy, stainless steel
Connection:	4 screws M10 through the body, thread M20x1.5 for screw of tension3_3, 2 threads M5 for fastening of the cover 3_7_3_1_2
Colour:	RAL 9005



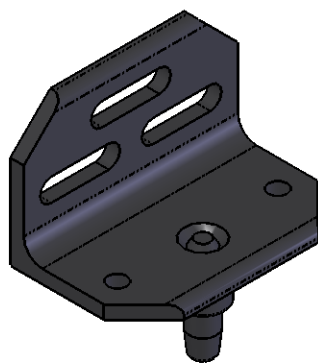
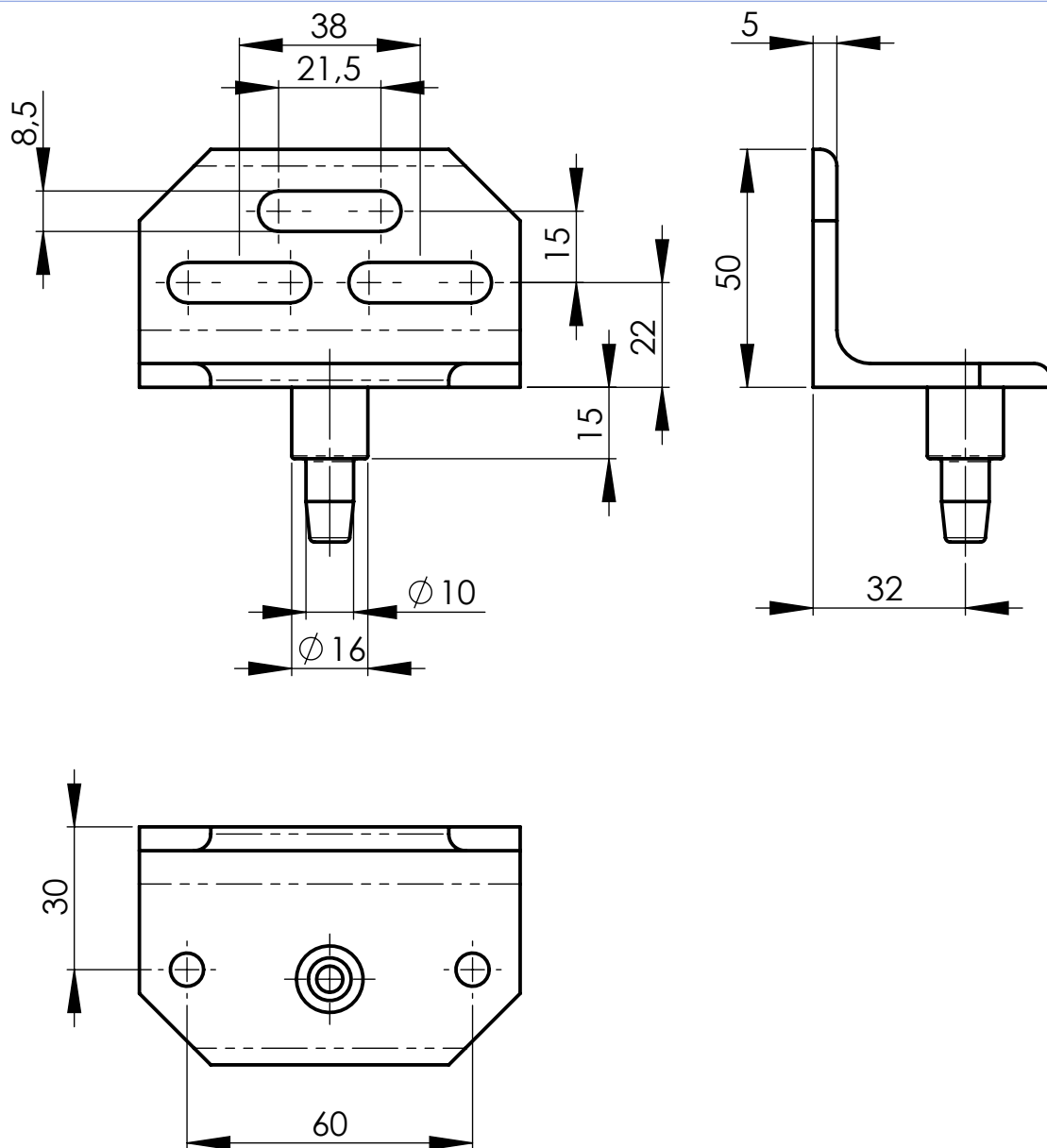
Type:	Holder Cover L RAL 9005
Function:	Covering the holder 3_7_3_1_1
Design:	Drawn plastic part, screw according to standard
Materials	ABS, zinc-plated steel
Connection:	2 screws M5 through the recessed holes
Colour:	RAL 9005



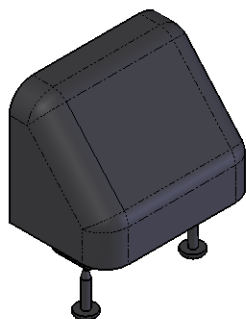
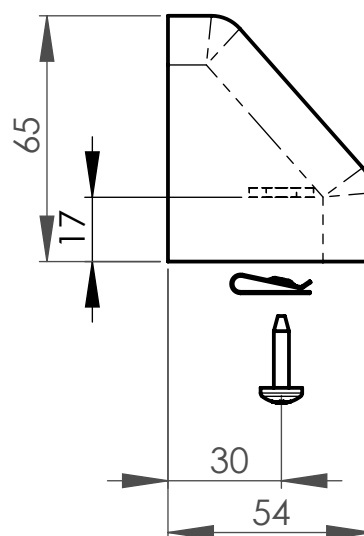
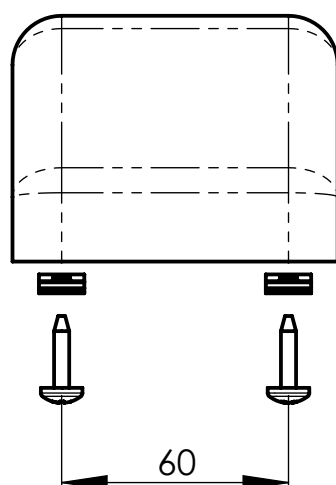
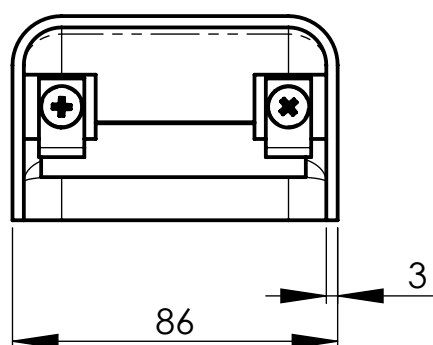
Type:	Holder Al M20x1,5 P
Function:	Connection of the right leaf of the door with the bus wall through the tension screw; catching actuator reaction
Design:	Casting
Materials	Al alloy, Cu alloy, stainless steel
Connection:	4 screws M10 through the body, thread M20x1.5 for screw of tension3_3, 2 threads M5 for fastening of the cover 3_7_3_1_4
Colour:	RAL 9005



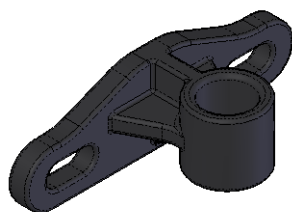
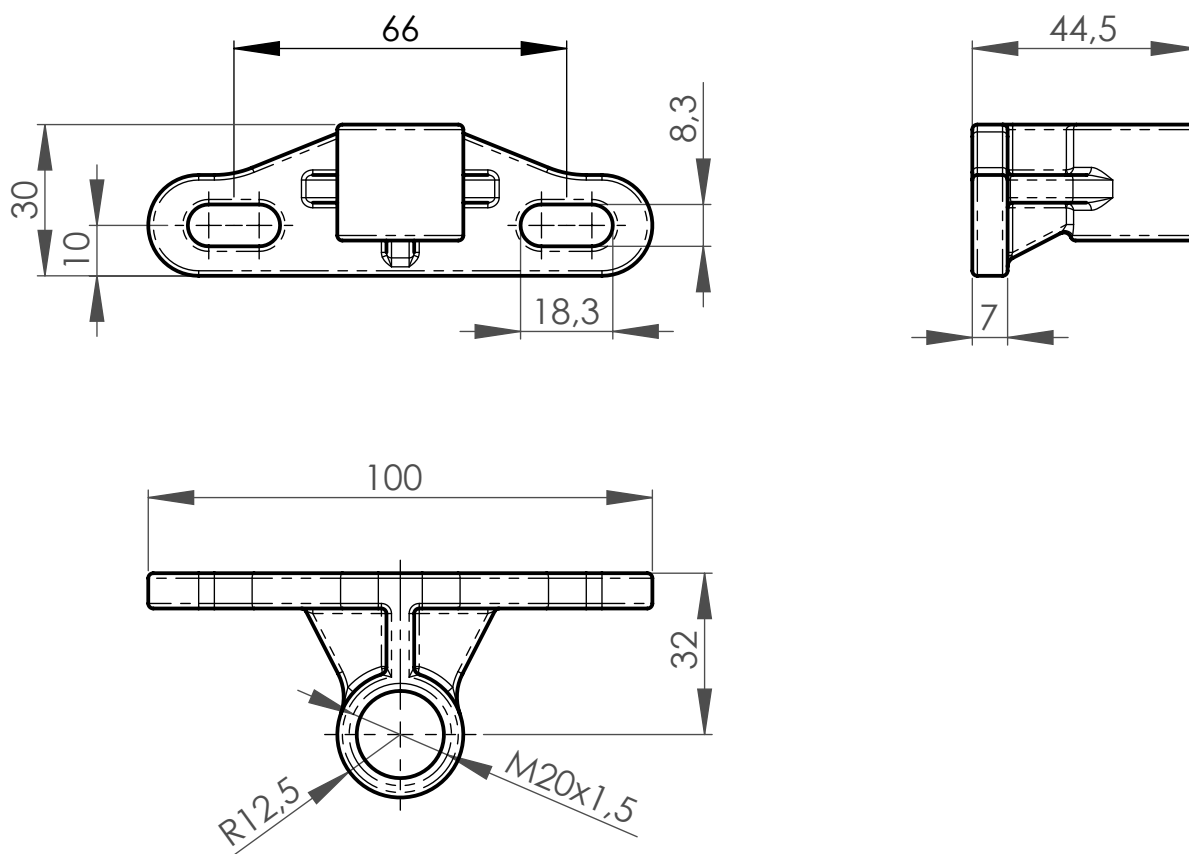
Type:	Holder Cover P RAL 9005
Function:	Covering the holder 3_7_3_1_3
Design:	Drawn plastic part, screw according to standard
Materials	ABS, zinc-plated steel
Connection:	2 screws M5 through the recessed holes
Colour:	RAL 9005



Type:	Upper bracket
Function:	Connection of the leaf of the door with complete arms 3_7_2_2
Design:	Weldment
Materials	Steel grade 11
Connection:	3xcrews M8 through the body, pin 10 for bearing, 2 holes $\varnothing 7$ for fastening of cover 3_7_3_2_2
Colour:	RAL 9005

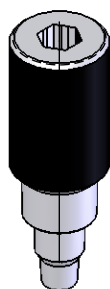
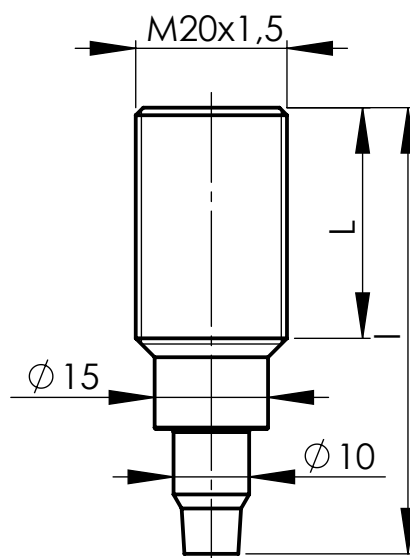


Type:	Upper bracket cover
Function:	Covering of the upper bracket 3_7_3_2_1
Design:	Drawn plastic part, connection material per standard
Materials	ABS, zinc-plated steel
Connection:	2 screws
Colour:	RAL 9005



Type:	Lower bracket
Function:	Connection of the leaf of the door with complete arms 3_7_2_2 through the lower bracket pin 3_7_3_2_5
Design:	Casting
Materials	Cast iron
Connection:	2 x screws M8 through the body, M20x1,5 for lower bracket pin
Colour:	RAL 9005

Supplied configurations					
Nr.	Ord. Nr.	Name	L [mm]	I [mm]	3D model
1	23411615	LOWER BRACKET PIN	30,5	59	
2	23413569	LOWER BRACKET PIN II	60,5	89	



Type:	Lower bracket pin
Function:	Connection of the leaf of the door with complete arms 3_7_2_2 through the lower bracket 3_7_3_2_3, 3_7_3_2_4
Design:	Workpiece
Materials	Carbon steel
Connection:	Thread M20x1,5, $\phi 10$ for bearing in the arm
Colour:	Zinc-plated black

LOWER BRACKET PIN

str.kat.
3_7_3_2_5

*the **#busknowledge** company*

