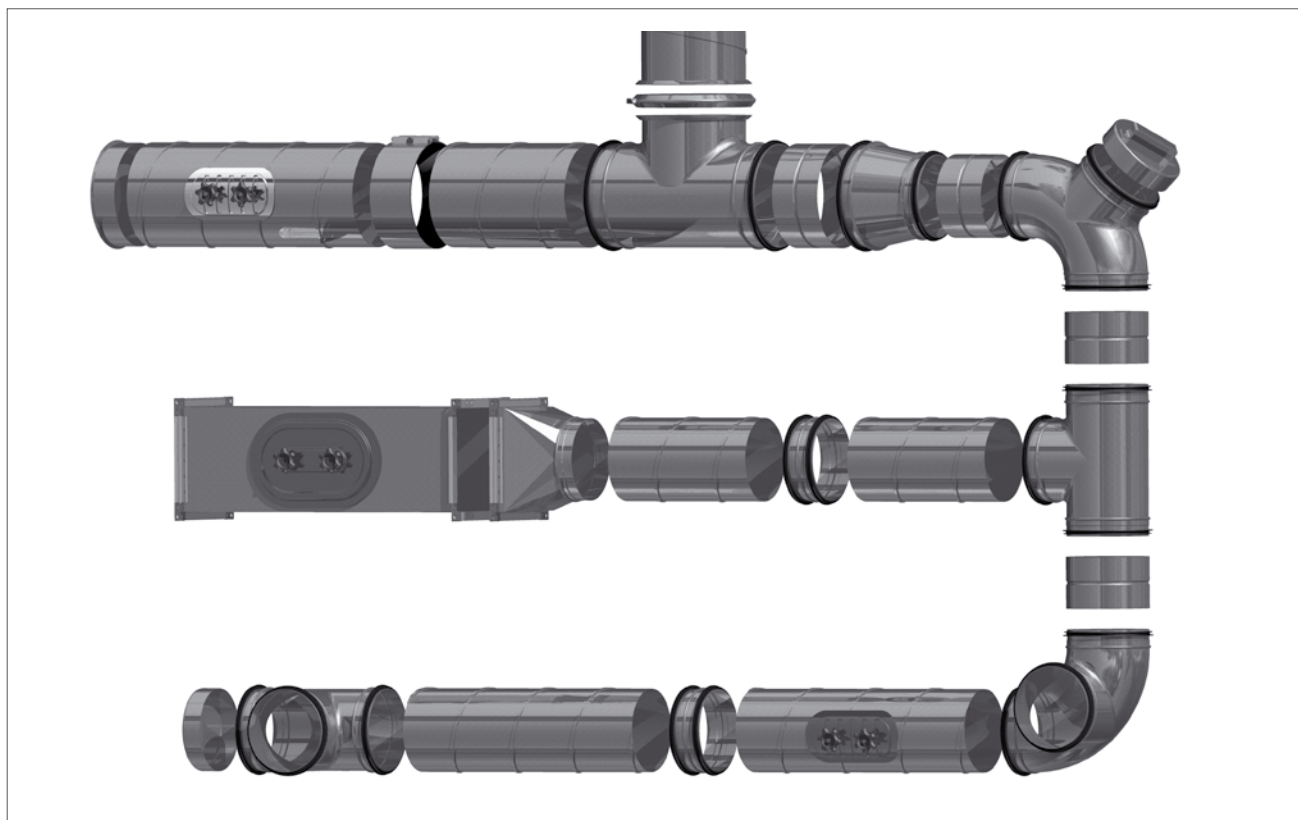


Access Products

We reserve the right to make changes in the dimensions and technical data products due to their continuous improvement

About the System

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About the System

Access products, such as access doors, covers and dampers, which enable cleaning and provide permanent and effective access to the inside of ventilation ducts. Together with the ducts and fittings, the flanges and G clamps make up TRANS@system – a whole duct system with flange connections.

Dimensions

All TRANS@system products are supplied with diameters matching the dimensions of the round ducts. The only difference is that all the fittings have a zero tolerance policy, i.e. they have the dimensions of the round ducts. The remaining dimensions are based on the tables and information provided in a product's catalogue datasheet.

Labelling

ALNOR products are furnished with the construction industry's B sign and product codes according to their technical specifications contained in this catalogue.

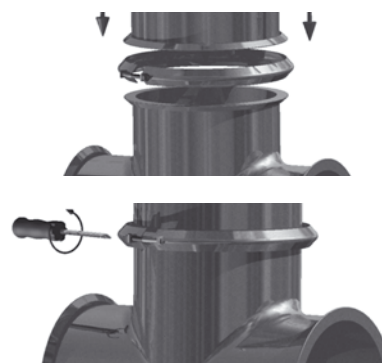


Benefits of Use

The access products provide easy and quick access to the system to clean ducts inside. The access doors are also suited for installation in a system that is already in place, without compromising its integrity and the existing air flow conditions.

Installation Guide

The access doors are installed in holes cut out in the duct according to an attached pattern. After the access door is aligned with the door, only two closing hand wheels have to be tightened. In the case of TRANS@system, all the products are fastened together with clamps, which are pressed centripetally to connect two flanges.



Pressed Cleaning Bend **BPKCL/BPKC 90°**

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Description

BPKCL – bend with double EPDM gasket
BPKC – bend without gasket

The branch ($\varnothing d_3$) is designed for the installation of end caps (CPHF) so that the duct could be checked or cleaned from inside.

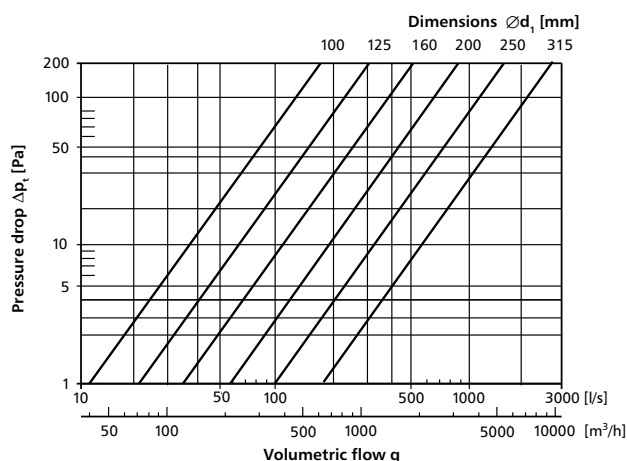
Such a solution ensures lower pressure losses than conventional T-piece.

Example identification

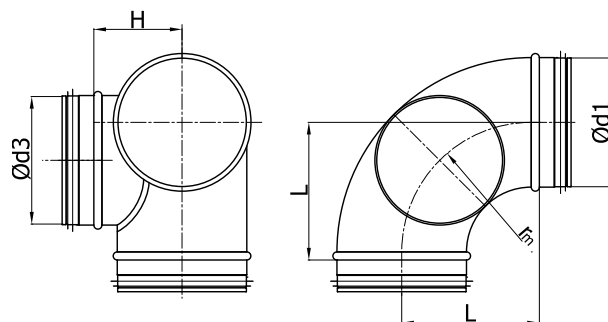
Product code: **BPKCL- aaa - bbb**

type _____
 $\varnothing d_1$ _____
 $\varnothing d_2$ _____

Technical Data



Dimensions



$$r_m \approx 1 \times d_1$$

$\varnothing d_1$ rated [mm]	$\varnothing d_3$ rated [mm]	L [mm]	H [mm]	weight [kg]
100	100	100	78	0,4
125	100	125	78	0,6
125	125	125	90	0,7
140	125	135	90	0,8
150	125	150	90	0,9
160	125	160	90	1,0
160	160	160	108	1,0
180	160	180	108	1,2
200	160	200	108	1,4
200	200	200	128	1,4
250	200	250	128	2,2
250	250	250	148	2,3
315	250	315	148	3,3
315	315	315	180	3,3

Cleaning Bend

BPBKCL/BPBKC 90°

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**Description**

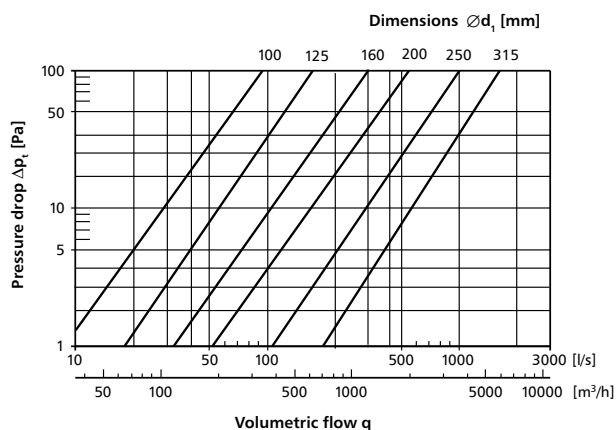
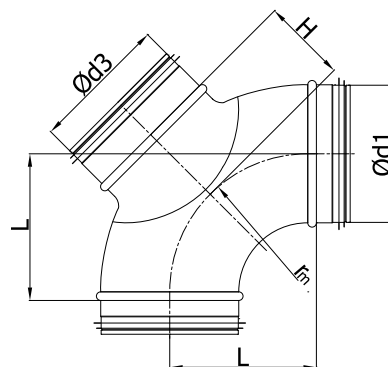
BPBKCL – bend with double EPDM gasket
 BPBKC – bend without gasket

The branch ($\varnothing d_3$) is designed for the installation of end caps (CPHF) so that the duct could be checked or cleaned from inside.

Example identification

Product code: **BPBKCL** - **aaa** - **bbb** - **90°**

type _____
 $\varnothing d_1$ _____
 $\varnothing d_3$ _____
 $^\circ$ _____

Technical Data**Dimensions**

$$r_m \approx 1 \times d_1$$

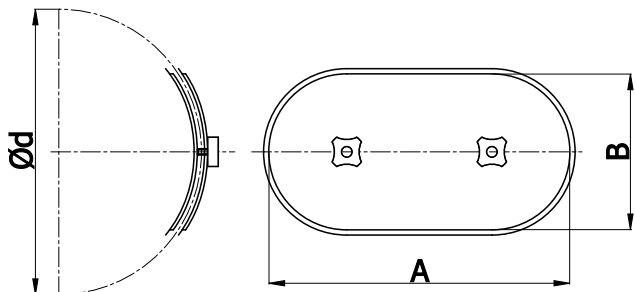
$\varnothing d_1$ rated [mm]	$\varnothing d_3$ rated [mm]	L [mm]	H [mm]	weight [kg]
100	100	100	78	0,4
125	100	125	78	0,6
125	125	125	90	0,6
140	125	135	90	0,8
150	125	150	90	0,8
160	125	160	90	0,8
160	160	160	108	0,8
180	160	175	108	1,1
200	160	200	108	1,4
200	200	200	128	1,4
250	200	250	128	2,3
250	250	250	148	2,3
315	250	315	148	3,5
315	315	315	180	3,5

The table applies to BPBKCL with CPHF end cap and the same diameter of the main duct as branches ($\varnothing d_1 = \varnothing d_3$).

With a CPHF end cap and a branch providing a single diameter reduction ($\varnothing d_3 < \varnothing d_1$), the pressure loss is approx. 30%.



Dimensions



Description

The IPR access door is provided with polyethylene gasket and designed for fitting onto round ducts. The complete product comes with a pattern to help cut out the door. Other door types are also available.

Example identification

Product code: IPR - aaa

type _____
Ød _____

Ød nom [mm]	A [mm]	B [mm]	weight [kg]	diameters range
80	180	80	0,3	76 -85
100	180	80	0,3	96-105
125	180	80	0,3	121-130
150	250	150	0,4	130-155
160	250	150	0,4	156-190
200	250	150	0,4	191-240
250	250	150	0,4	241-300
315	250	150	0,4	301-360
355	300	200	0,4	341-380
400	300	200	1,0	381-420
450	300	200	1,0	421-470
500	300	200	1,0	471-530
560	400	300	2,0	531-600
600	400	300	2,0	570-640
630	400	300	2,0	601-670
710	400	300	2,0	671-750
800	400	300	2,0	751-850

* A and B - dimensions of the hole to be cut in the duct

Access Doors

IPR-RRD

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**Description**

The IPR-RRD revision door is equipped with a polyethylene gasket. It is designed for mounting on round ducts. Construction of the IPR-RRD revision door and its gasket ensure its perfect adherence to a surface of a duct on which it is mounted. This ensures high tightness. A pattern enabling cutting out a hole is delivered together with the door.

The following types of IPR-RRD revision doors are also available:

IPR-RRD-K - revision door made of acid resistant sheet

IPR-RRD-A - revision door made of aluminium sheet

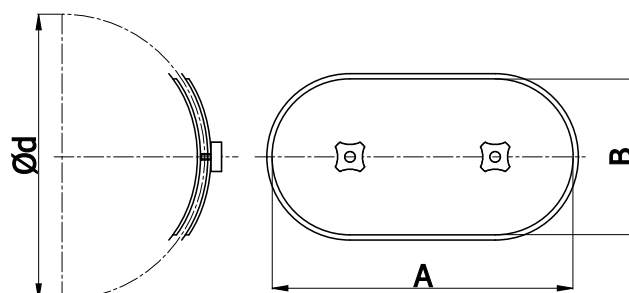
IPR-RRD-I - revision door designed for insulated duct (a thickness of insulation must be stated in the order. 20 - 55mm are available)

IPR-RRD-HT - revision door with a ceramic gasket, resistant up to +400°C

Example identification

Product code: **IPR-RRD - aaa**

type _____
 Ød _____

Dimensions

Ød nom [mm]	A [mm]		B [mm]	weight [kg]	range of diameters
80	180	x	80	0,3	76 -85
100	180	x	80	0,3	96-105
125	180	x	80	0,3	121-130
140	180	x	80	0,4	130-155
150	180	x	80	0,4	130-155
160	180	x	80	0,4	156-190
180	200	x	100	0,4	156-190
200	200	x	100	0,4	191-240
224	200	x	100	0,4	191-240
250	200	x	100	0,4	241-300
280	200	x	100	0,4	241-300
300	200	x	100	0,4	301-360
315	200	x	100	0,4	301-360
355	300	x	200	0,4	341-380
400	300	x	200	1,0	381-420
450	300	x	200	1,0	421-470
500	300	x	200	1,0	471-530
560	400	x	300	2,0	531-600
600	400	x	300	2,0	570-640
630	400	x	300	2,0	601-670
710	400	x	300	2,0	671-750
800	400	x	300	2,0	751-850
900	400	x	300	2,0	851-950
1000	500	x	400	4,2	951-1060
1120	500	x	400	4,2	1061-1180
1250	500	x	400	4,2	1181-1320
1400	500	x	400	7,1	1321-1500
1500	500	x	400	9,5	1421-1600
1600	500	x	400	11,2	1501-1800

* A and B - dimensions of the hole to be cut in the duct



Description

The IPFQ revision door is equipped with a polyethylene gasket. It is designed for mounting on square ducts. Construction of the IPFQ revision door and its gasket ensure its perfect adherence to a surface of a duct on which it is mounted. This ensures high tightness. A pattern enabling cutting out a hole is delivered together with the door.

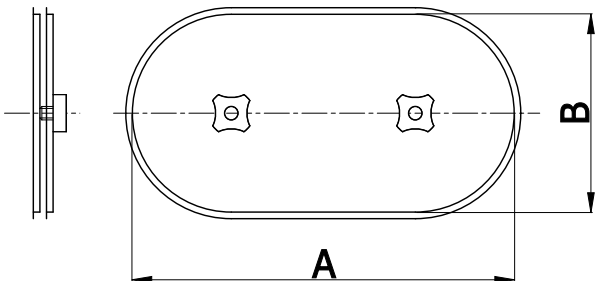
Example identification

Product code: **IPFQ** - **aaa**

type _____

AxB _____

Dimensions



<i>kod</i>	<i>A</i> [mm]	<i>B</i> [mm]
IPFQ-180-80	180	80
IPFQ-200-100	200	100
IPFQ-300-150	300	150
IPFQ-300-200	300	200
IPFQ-400-200	400	200
IPFQ-400-300	400	300
IPFQ-500-300	500	300
IPFQ-500-400	500	400
IPFQ-600-400	600	400
IPFQ-600-500	600	500
IPFQ-700-500	700	500

* A and B - dimensions of the hole to be cut in the duct

Access Doors

IPFQ-RD

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Description

The IPFQ-RD revision door is equipped with a polyethylene gasket. It is designed for mounting on round ducts. Construction of the IPFQ-RD revision door and its gasket ensure its perfect adherence to a surface of a duct on which it is mounted. This ensures high tightness. A pattern enabling cutting out a hole is delivered together with the door.

The following types of IPFQ-RD revision doors are also available:

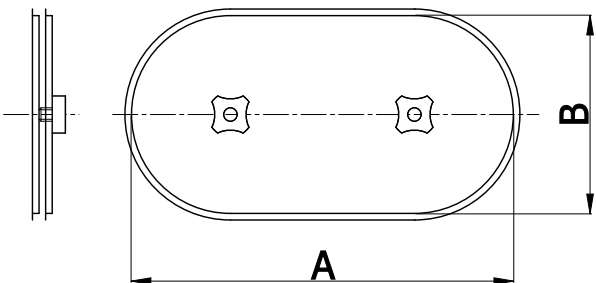
- IPFQ-RD-K** - revision door made of acid resistant sheet
- IPFQ-RD-A** - revision door made of aluminium sheet
- IPFQ-RD-I** - revision door designed for insulated duct (a thickness of insulation must be stated in the order- 20 - 55 mm are available)
- IPFQ-RD-HT** - revision door with a ceramic gasket, resistant up to +400°C.
- IPFQ-LX** - special fastening by means of snap fasteners

Example identification

Product code: **IPFQ-RD - aaa**

type _____
AxB _____

Dimensions



type	A [mm]	B [mm]
IPFQ-RD-180-80	180	80
IPFQ-RD-200-100	200	100
IPFQ-RD-300-150	300	150
IPFQ-RD-300-200	300	200
IPFQ-RD-400-200	400	200
IPFQ-RD-400-300	400	300
IPFQ-RD-500-300	500	300
IPFQ-RD-500-400	500	400
IPFQ-RD-600-400	600	400
IPFQ-RD-600-500	600	500
IPFQ-RD-700-500	700	500

* A and B - dimensions of the hole to be cut in the duct

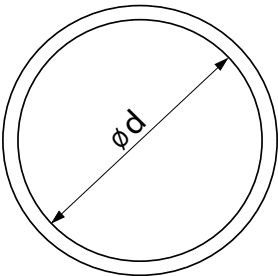


Description

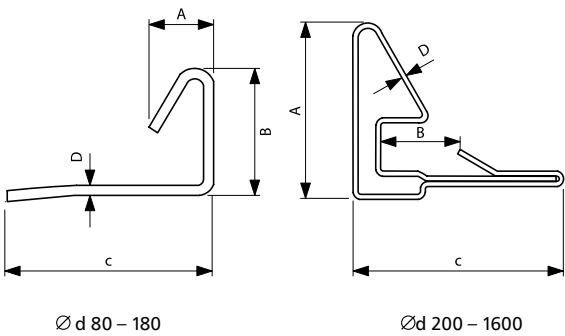
FLT flanges can be installed directly on ducts using special tongs.

Example identification
Product code: **FLT** - **aaa**
type _____
ØD _____

Dimensions



Dimensions : Ø



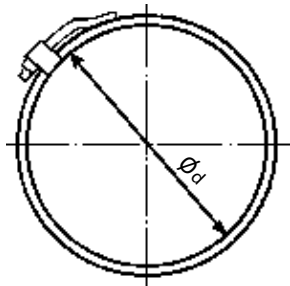
diameter Ø	A	B	C	D
80-180	5	9,8	16	0,8
200-499	16,4	9	24	0,6
500-999	26,5	12,1	32	0,75
1000-1600	37,1	18,3	46	1

Clamps
FLKT

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Dimensions



Dimensions : Ød 560 – 900

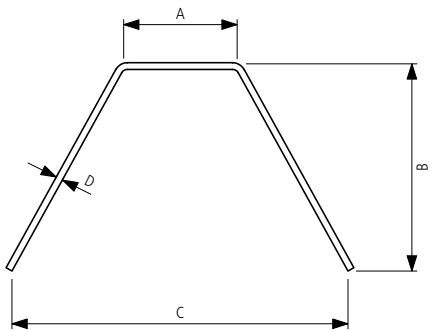
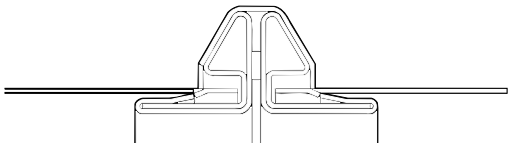
Description

Clamps FLKT assumed outside of the cable ends are mounted on the flanges and tightened FLT. It is a whole system of connected round ducts and fittings. This system allows easy and quick assemble and disassemble any section of the duct system. There are also clamps FLKT-L with a gasket made of polyethylene foam.

Example identification

Product code: **FLKT** - **aaa**

typ _____
Ød _____



diameter Ø	A	B	C	D
80-180	4,90	6,30	10,40	0,80
200-499	5,90	9,30	14,90	0,80
500-999	8,40	15,00	23,40	1,00
1000-1600	12,10	22,60	34,80	1,50



Description

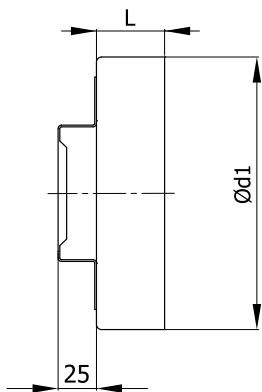
CPFH is an access cap with handle, which is intended for terminating fittings.

Example identification

Product code: CPFH - aaa

type _____
Ød _____

Dimensions



Ød ₁ rated [mm]	L [mm]	weight [kg]
80*	40	0,1
100*	40	0,1
125*	40	0,1
140*	40	0,1
150*	40	0,2
160*	40	0,2
180*	40	0,2
200*	40	0,3
224*	40	0,3
250**	60	0,5
280**	60	0,5
300**	60	0,5
315**	60	0,7
355**	60	0,7
400**	80	1,2
450**	80	1,7
500**	80	2,2
560**	80	2,3
600**	80	2,6
630**	80	2,8

* 1 handle ** 2 handles
Ø80 – 400 pressed, Ø450 – 630 assembled

End-stops for ventilation ducts

CSHL

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Description

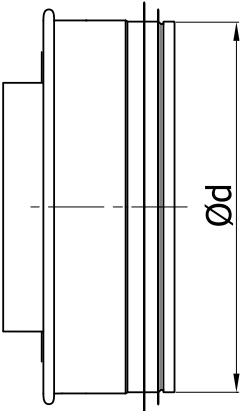
CSHL – segment end cap with EPDM gasket for duct termination.

Example identification

Product code: CSHL - aaa

typ _____
Ød _____

Dimensions



Ød [mm]	weight [kg]
80*	0,10
100*	0,10
125*	0,10
140	0,10
150	0,20
160	0,20
180	0,30
200	0,30
224	0,30
250	0,60
280	0,60
300	0,70
315	0,90
355	1,20
400	1,20
450	1,80
500	1,70
560	2,20
600	2,60
630	2,80
710	4,50
800	5,40
900	6,60
1000	7,90
1120	10,10
1250	12,20
1400	22,00
1500	25,70
1600	28,80

* pressed



Description

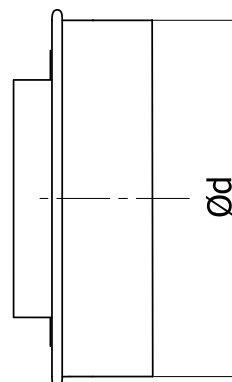
CSH – segment end cap for duct termination.

Example identification

Product code: **CSH - aaa**

typ
Ød

Dimensions



Ød [mm]	weight [kg]
80*	0,10
100*	0,10
125*	0,10
140	0,10
150	0,20
160	0,20
180	0,30
200	0,30
224	0,30
250	0,60
280	0,60
300	0,70
315	0,90
355	1,20
400	1,20
450	1,80
500	1,70
560	2,20
600	2,60
630	2,80
710	4,50
800	5,40
900	6,60
1000	7,90
1120	10,10
1250	12,20
1400	22,00
1500	25,70
1600	28,80

*pressed