



*open
for life*

METAL DOORS



2018

www.vrata-derzic.si





***Our door - your pleasure - our pride.
For 20 years ...***



Content:

METAL DOORS.....	3
KD DOOR MODELS.....	4
DECLARED PROPERTIES OF OUR PRODUCTS.....	4
SLOVENIAN TECHNICAL APPROVALS AND CERTIFICATES.....	5
DETERMINING OPENING DIRECTION.....	7
CHARACTERISTICS OF THE DOOR.....	8
KD BASIC.....	10
ADDITIONAL EQUIPMENT.....	11
KD DOORS CAN BE COMBINED WITH METAL KD FRAMES.....	12
DIMENSIONS.....	12
INSTALLATION.....	12
KD BASIC DOOR MODELS.....	12
KD BASIC FK.....	13
KD BASIC RK.....	15
KD BASIC RN.....	17
KD BASIC RD.....	19
KD BASIC OR.....	21
KD CLASIC.....	24
KD CLASIC DOOR EQUIPMENT.....	25
DIMENSIONS.....	25
ADDITIONAL EQUIPMENT.....	26
KD DOORS CAN BE COMBINED WITH METAL KD FRAMES.....	27
KD CLASIC DOOR MODELS.....	27
KD CLASIC O.....	28
KD CLASIC P.....	32
KD CLASIC E.....	36
KD PREMIUM.....	41
EQUIPMENT ON KD PREMIUM DOORS.....	42
KD PREMIUM DOOR MODELS.....	42
ADDITIONAL EQUIPMENT.....	47
KD DOORS CAN BE COMBINED WITH METAL KD FRAMES.....	48

KD PREMIUM 00.....	49
KD PREMIUM 30 AND KD PREMIUM 60.....	53
KD PREMIUM 90 AND KD PREMIUM 120.....	57
KD ELEGANCE	63
EQUIPMENT ON KD ELEGANCE DOORS	64
KD ELEGANCE DOOR MODELS	65
ADDITIONAL EQUIPMENT.....	66
KD DOORS CAN BE COMBINED WITH METAL KD FRAMES	67
KD ELEGANCE 00	68
KD ELEGANCE 30 AND KD ELEGANCE 60.....	72
KD ELEGANCE 90 AND KD ELEGANCE 120.....	76
DOOR HARDWARE SYSTEM.....	81
ADDITIONAL EQUIPMENT	90
GLAZING	92
VENTILATION GRID.....	92

METAL DOORS

Metal doors are a high-quality product. We manufacture them in accordance with the highest quality standards. The doors are characterised by their easy installation and safety of use. The shapes and lines allow for adaptability and enhance every room using a combination of colours. We manufacture many types of doors, which are characterised by their intended use. KD doors can be single-leaf, double-leaf, sliding, or swing doors.



Faculty of medicine, Maribor

KD metal doors are suitable for installation in buildings that are the result of rapid construction, modern construction techniques, and special requirements. They are installed in apartments, hospitals, schools, nursery schools, shopping centres, industrial and business premises, tourist facilities etc.

We can manufacture all types of KD metal doors according to your chosen dimensions. All door models are carefully designed in the Autodesk Inventor 3D program.

For the manufacture of metal doors, we use cold rolled electrogalvanised sheet metal with EN 10152 quality and the designation DC01 EZ25/25 A-PC.

The surface of KD metal doors is protected by a layer of powder coating in accordance with DIN 55633 and EN ISO 12944. A standard application of the coating achieves C2 category protection. A C3 category is recommended for KD doors that are exposed to external conditions. This should be specified when ordering. The basic colours of the coating are selected from the RAL colour chart, but in the case of larger orders it is possible to arrange for special colours according to your wishes.



KD metal doors can also be manufactured from stainless metal sheets. They are particularly suitable for rooms where various chemicals are used for cleaning or rooms with high humidity.

Metal door advantages:

- quality and precise manufacturing with superior hardware (CNC),
- humidity resistance,
- high corrosion protection, higher resistance to damage,
- simple and quick installation,
- smooth closing and perfect fit of leaf to seal,
- smooth and elegant lines that suit every room.

KD DOOR MODELS

We manufacture the following door models:

KD BASIC	metal doors with a thickness of 42 mm
KD CLASSIC	metal doors with a thickness of 52 mm
KD PREMIUM	metal, hinged, fire and normal doors
KD ELEGANCE	metal, hinged, fire and normal doors, flush with the striking plate of the frame

DECLARED PROPERTIES OF OUR PRODUCTS

The properties of our products are constantly tested and verified in competent laboratories.

	REPORT NO	STANDARD	RESULT
THERMAL TRANSMITTANCE	P 0278/13-520-1	SIST EN ISO 10077-1:2007 SIST EN ISO 1007-2:2012	UD = 0,86 - 1,2 W/m ² K
RESISTANCE TO SMOKE LEAKAGE	P 0208/08-520-1	SIST EN 13501-2:2003	Prepustnost zraka pri tlačni razliki 25 Pa je lahko največ 3 m ³ /h na meter pripire.
AIR PERMEABILITY ON CONTACT SURFACES	P 0208/08-520-2	SIST EN 12207:2000	Razred 3
SOUNDPROOFING	P 1174/10-510-1	SIST EN ISO 717-1 (1997)	R _w =43 dB
SOUNDPROOFING	P 1311/99-510-1	SIST EN ISO 717-1, 1997-4	R _w =39 dB
PROTECTION AGAINST THE INGRESS OF DUST OR LIQUID	T211-0355/13	IEC 60529:2001	IP56

Metal doors are not self-supporting elements, so they are installed in:

- supporting masonry walls,
- concrete walls,
- prefabricated walls, in which case, depending on the size and weight of the door, the substructure must be adequately reinforced.

SLOVENIAN TECHNICAL APPROVALS AND CERTIFICATES

	DESCRIPTION	FIRE RESISTANCE	SLOVENIAN TECHNICAL APPROVALS	CERTIFICATES
KD30	singe and double-leaf metal door	EI ₂ 30	STS-14/0020	CERTIFICATES OF CONSTANCY OF PERFORMANCE REG2-0004-03-ZGPro1 - 2359
KD60	singe and double-leaf metal door	EI ₂ 60	STS-14/0020	CERTIFICATES OF CONSTANCY OF PERFORMANCE REG2-0004-03-ZGPro1 - 2359
KD90	singe and double-leaf metal door	EI ₂ 90	STS-14/0021	CERTIFICATES OF CONSTANCY OF PERFORMANCE REG2-0004-03-ZGPro1 - 2361
KD120	singe and double-leaf metal door	EI ₂ 120	STS-14/0021	CERTIFICATES OF CONSTANCY OF PERFORMANCE REG2-0004-03-ZGPro1 - 2362

KD doors in combination with metal KD frames can be installed in a variety of walls

	CONCRETE WALL		GYPSUM BOARD WALL
	MASONRY WALL		METAL CONSTRUCTION
	AERATED CONCRETE		SANDWICH PANEL
	WOODEN WALL		

DETERMINING OPENING DIRECTION

The opening direction is determined by the space where a particular door frame will be installed. It is important that the door facilitates the passage of people as much as possible and does not impede entering or exiting.

For single-leaf doors – EV:

left (L)



right (R)

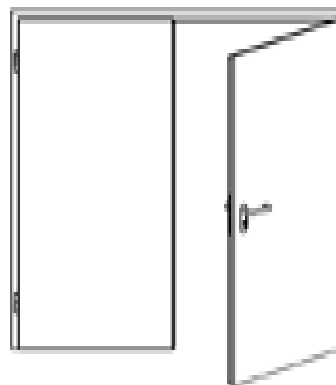


For double-leaf doors – DV:

left (L)












right (R)



CHARACTERISTICS OF THE DOOR

	FIRE RESISTANCE EI30		FIRE RESISTANCE EI90
	FIRE RESISTANCE EI60		FIRE RESISTANCE EI120

	PROTECTION AGAINST THE INGRESS OF DUST OR LIQUID –IP 56
	SOUNDPROOFING 39 DB
	SOUNDPROOFING 42 DB
	PROTECTION AGAINST RADIATION
	RESISTANCE TO SMOKE LEAKAGE
	BASIC GLASS
	FIRE RESISTANCE GLASS EI30
	FIRE RESISTANCE GLASS EI60
	VENTILATION GRID

KD BASIC



Residential house - KD BASIC FK

KD BASIC

KD BASIC doors are ordinary, metal, insulated doors with a thickness of 42 mm.

KD BASIC doors can replace wooden doors on existing metal KD frames or the frames of other manufacturers.

ADVANTAGES:

KD BASIC doors are moisture resistant. Therefore they are suitable for flood areas because water does not damage them.

USE:

The doors are intended for installation in indoor spaces such as:

- accommodation spaces (apartments, houses ...),
- basement spaces (garages, storerooms, bicycle sheds, boiler rooms ...),
- public spaces (hospitals, schools, nursery schools, multi-purpose facilities ...),
- business spaces (stores, offices ...).



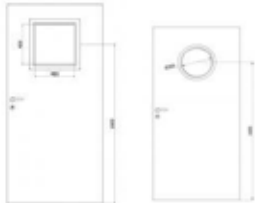
We only manufacture doors to order, so it is possible to choose different dimensions and colours from the RAL colour chart.




Residential house – KD BASIC OR

ADDITIONAL EQUIPMENT	lock	door closer	ventilation grid	hidden hinge	glazing Ø360 x 6 mm	glazing – dim 400 x 400 mm	peephole
1. KD BASIC FK	**	*	*		*	*	*
2. KD BASIC RK	**	*	*	*	*	*	*
3. KD BASIC RN	*		*		*	*	
4. KD BASIC RD	*		*		*	*	
5. KD BASIC OR	*		*		*	*	

*lock included in standard equipment

<p>LOCK</p> 	<p>DOOR CLOSER</p> 	<p>HIDDEN HINGE</p> 
<p>VENTILATION GRID</p> 	<p>PEEPHOLE</p> 	<p>GLAZING</p> 

KD DOORS CAN BE COMBINED WITH METAL KD FRAMES

	KD BASIC FK	KD BASIC RK	KD BASIC RN	KD BASIC RD	KD BASIC OR
	*	*	*	*	*

DIMENSIONS

KD BASIC DOOR MAXIMUM DIMENSIONS	
Single-leaf door	1100 x 2200 mm
Double-leaf door	2200 x 2200 mm

INSTALLATION



KD BASIC DOOR MODELS

KD BASIC-FK	rebated leaf – hinged door	For a metal frame with a 30 mm rebate.
KD BASIC-RK	non-rebated leaf – hinged door	For a metal frame with a 48 mm rebate.
KD BASIC-RN	non-rebated leaf – swing door	Metal frame for swing door.
KD BASIC-RD	non-rebated leaf – sliding door	Metal frame for sliding door on wall.
KD BASIC-OR	non-rebated leaf – sliding door	Sliding door for installation in gypsum board wall (orchidea).

KD BASIC FK

KD BASIC FK doors are hinged doors compatible with metal KD frames with a 30 mm rebate, since the leaf is rebated.

The basic version of the KD BASIC FK door is smooth with a powder coating colour from the RAL colour chart.

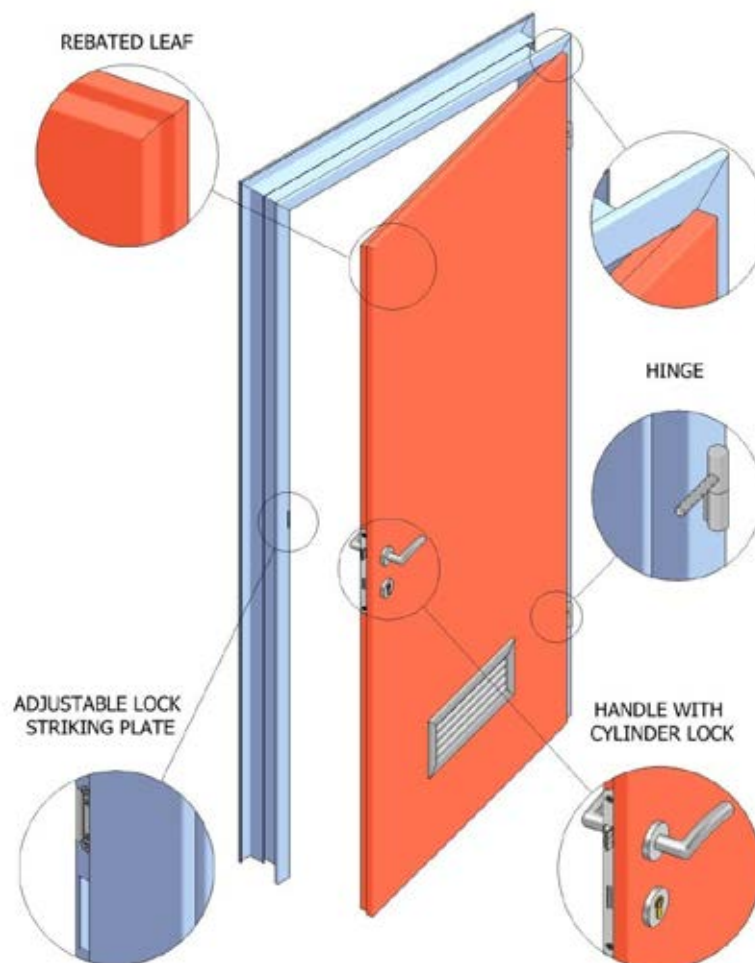
STANDARD EQUIPMENT:

- lock with cylindrical insert,
- INOX handle on both sides,
- adjustable striking plate,
- 2 hinges,
- sealing PVC rubber.

It is possible to add glass, a ventilation grate, a door viewer, and/or a door closer to KD BASIC FK doors.

USE:

KD BASIC FK doors are suitable for installation in apartments, storerooms, basement spaces, garages, etc.



SECTION OF KD BASIC FK DOOR

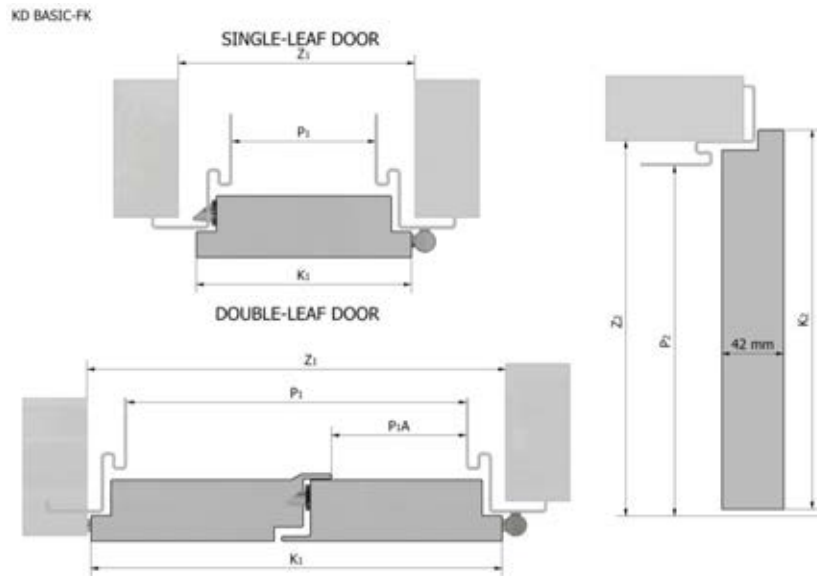






Table with example for calculating frame dimensions

POSITION	P ₁	K ₁	Z ₁	P ₂	K ₂	Z ₂
FORMULA	/	P ₁ +50	P ₁ +80	/	P ₂ +20	P ₂ +40
DIMENSION	800	850	880	1980	2000	2020

In the case of asymmetrical double-leaf doors, the P_{1A} dimension should be determined.

KD BASIC FK DOORS ARE COMBINED WITH METAL KD FRAMES

FRAME TYPE	FRAME MODEL	INSTALLATION
wet construction	KD.MM 1 0 30	
	KD.MM 1 1 30	
drywall construction	KD.SM 1 0 30	
	KD.SM 1 1 30	
	KD.SM 2 0 30	
	KD.SM 2 1 30	
	KD.SM 4 0 30	
	KD.SM 4 1 30	
knauf	KD.KN 1 0 30	
	KD.KN 1 1 30	
	KD.KN 2 0 30	
	KD.KN 2 1 30	
central	KD.SR 1 0 30	
	KD.SR 1 1 30	
special KD.PP frames		

KD BASIC RK

KD BASIC RK doors are non-rebated, hinged doors compatible with metal KD frames with a rebate of 48 mm.

The basic version of the KD BASIC RK door is smooth with a powder coating colour from the RAL colour chart.

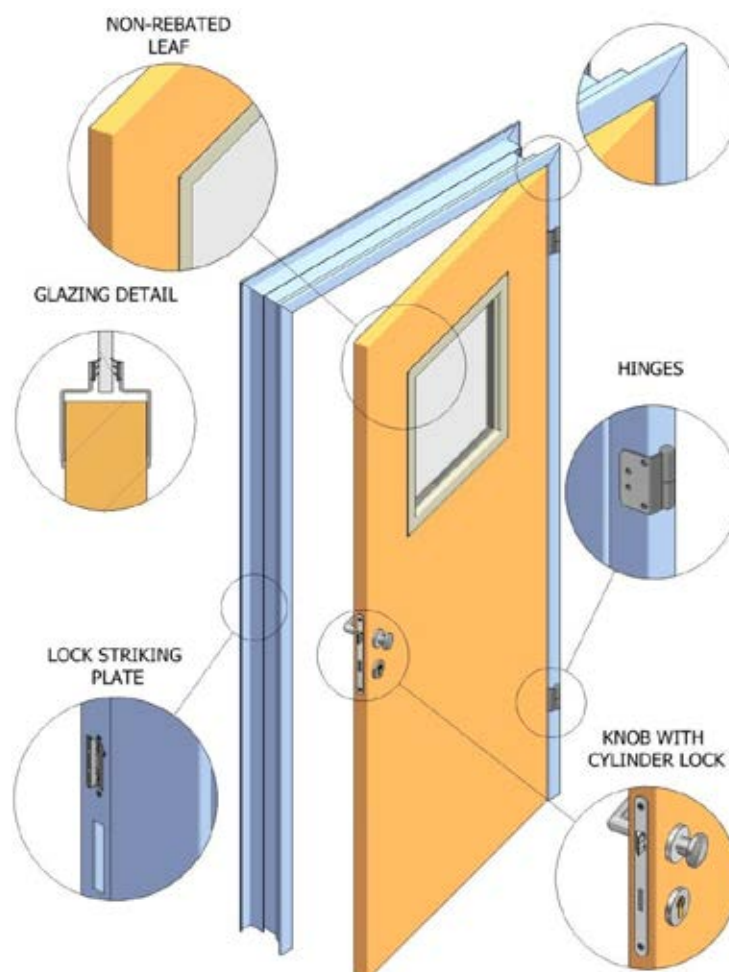
STANDARD EQUIPMENT:

- lock with cylindrical insert,
- INOX handle on both sides,
- adjustable striking plate,
- 2 pieces of hinges,
- sealing PVC rubber.

It is possible to add glazing, a ventilation grate, a door viewer, and a door closer to KD BASIC RK doors.

USE:

KD BASIC RK doors are suitable for installation in apartments, storerooms, garages, basement spaces, etc.



SECTION OF KD BASIC RK DOOR

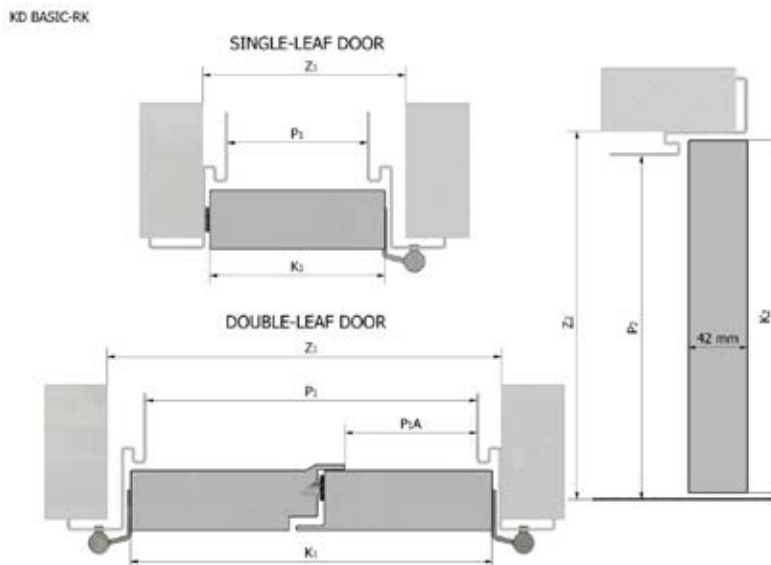






Table with example for calculating KD BASIC RK door dimensions

POSITION	P_1	K_1	Z_1	P_2	K_2	Z_2
FORMULA	/	P_1+24	P_1+80	/	P_2+7	P_2+40
DIMENSION	800	824	880	1980	1987	2020

In the case of asymmetrical double-leaf doors, the P_{1A} dimension should be determined.

KD BASIC RK DOORS ARE COMBINED WITH METAL KD FRAMES

FRAME TYPE	FRAME MODEL	INSTALLATION
wet construction	KD.MM 1 0 48	
	KD.MM 1 1 48	
drywall construction	KD.SM 1 0 48	
	KD.SM 1 1 48	
	KD.SM 2 0 48	
	KD.SM 2 1 48	
	KD.SM 4 0 48	
	KD.SM 4 1 48	
knauf	KD.KN 1 0 48	
	KD.KN 1 1 48	
	KD.KN 2 0 48	
	KD.KN 2 1 48	
central	KD.SR 1 0 48	
	KD.SR 1 1 48	
special KD.PP frames		

KD BASIC RN

KD BASIC RN doors are non-rebated swing doors compatible with a specific metal KD frame model.

The basic version of the KD BASIC RN door is smooth with a powder coating colour from the RAL colour chart.

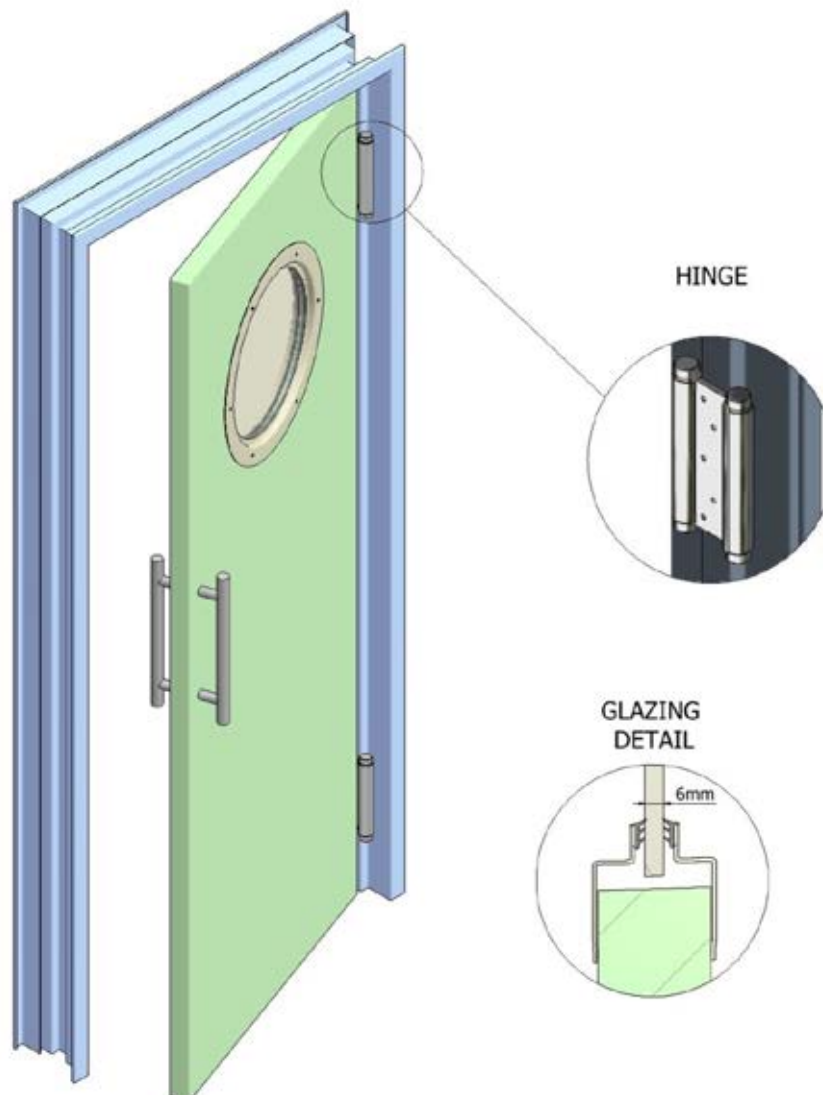
STANDARD EQUIPMENT:

- 2 pieces of swing hinges,
- vertical handle on both sides.

It is possible to add glazing, a ventilation grate, and a lock to KD BASIC RN doors.

USE:

KD BASIC RN doors are suitable for installation in apartments, kitchens, canteens, hospitals, etc. since they allow passage with just a push from either side.



SECTION OF KD BASIC RN DOOR

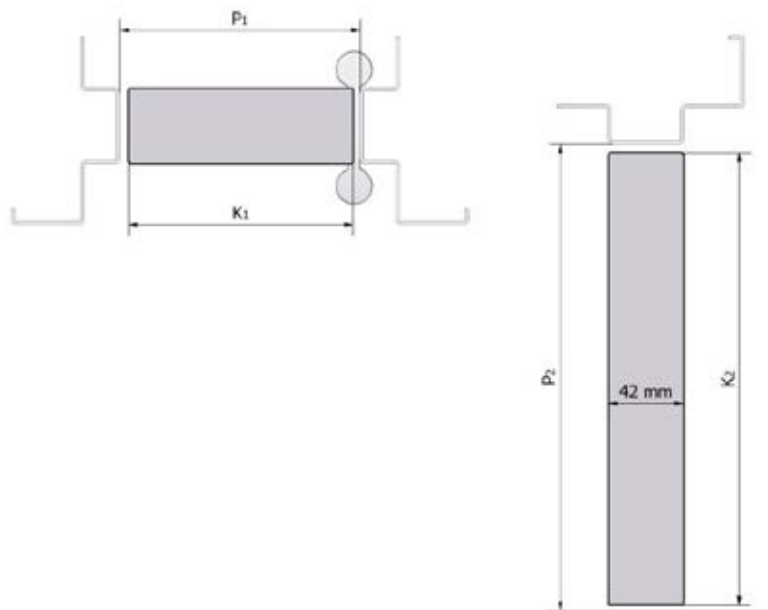


Table with example for calculating KD BASIC RN door dimensions

POSITION	P_1	K_1	Z_1	P_2	K_2	Z_2
FORMULA	/	$P_1 - 15$	$P_1 + 100$	/	$P_2 - 15$	$P_2 + 50$
DIMENSION	800	785	900	1980	1965	2030

KD BASIC RN DOORS ARE COMBINED WITH METAL KD FRAMES

FRAME TYPE	FRAME MODEL	INSTALLATION
special	KD.PP 6 0	
	KD.PP 6 1	

KD BASIC RD

KD BASIC RD doors are non-rebated, sliding, leaf doors for manual opening on a wall.

The basic version of the KD BASIC RD door is smooth with a powder coating colour from the RAL colour chart. The leaves of KD BASIC RD doors are always symmetrical.

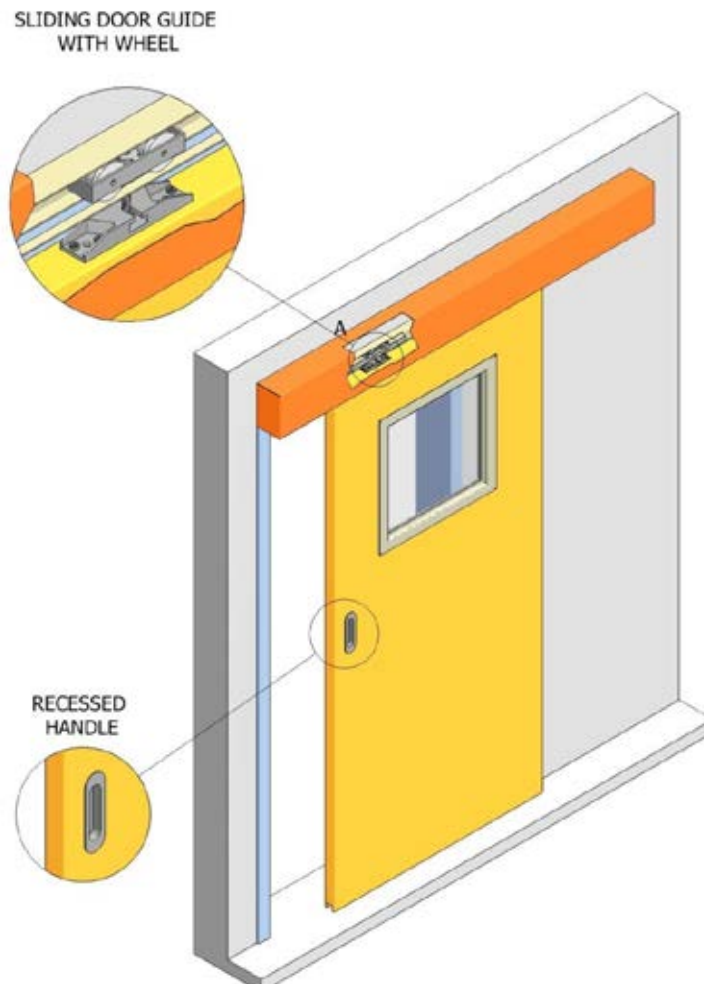
STANDARD EQUIPMENT:

- slide guides,
- recessed handle for opening and closing.

It is possible to add glazing, a ventilation grate, and a post for locking at the front to KD BASIC RD doors.

USE:

KD BASIC RD doors are suitable for installation in apartments, kitchens, canteens, etc.



SECTION OF KD BASIC RD DOOR

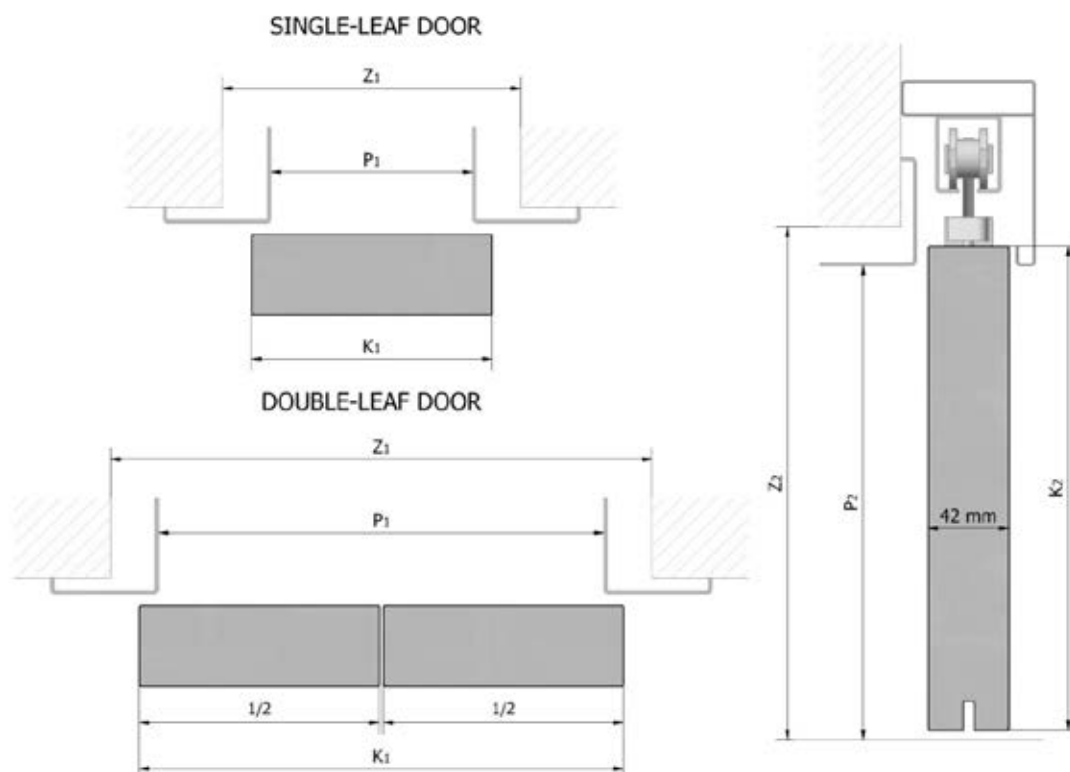





Table with example for calculating KD BASIC RD door dimensions

POSITION	P_1	K_1	Z_1	P_2	K_2	Z_2
FORMULA	/	P_1+24	P_1+50	/	P_2+7	P_2+25
DIMENSION	800	824	850	1980	1987	2005

KD BASIC RD DOORS ARE COMBINED WITH METAL KD FRAMES

FRAME TYPE	FRAME MODEL	INSTALLATION
drywall construction	KD.SM 3 0 /	
	KD.SM 3 1 /	
knauf	KD.KN 3 0 /	
	KD.KN 3 1 /	

KD BASIC OR

KD BASIC OR doors are non-rebated, sliding, leaf doors for installation in pocket frames for walls. The pocket frames are standard and available on the market.

The basic version of the KD BASIC OR door is non-rebated, smooth with a powder coating colour from the RAL colour chart.

STANDARD EQUIPMENT:

- recessed handle for opening and closing.

It is possible to add a lock for locking, glazing, and a ventilation grate to KD BASIC OR doors.

USE:

KD BASIC OR doors are suitable for installation in apartments, bathrooms, storerooms, kitchens, canteens, hospitals, etc.



SECTION OF KD BASIC OR DOOR

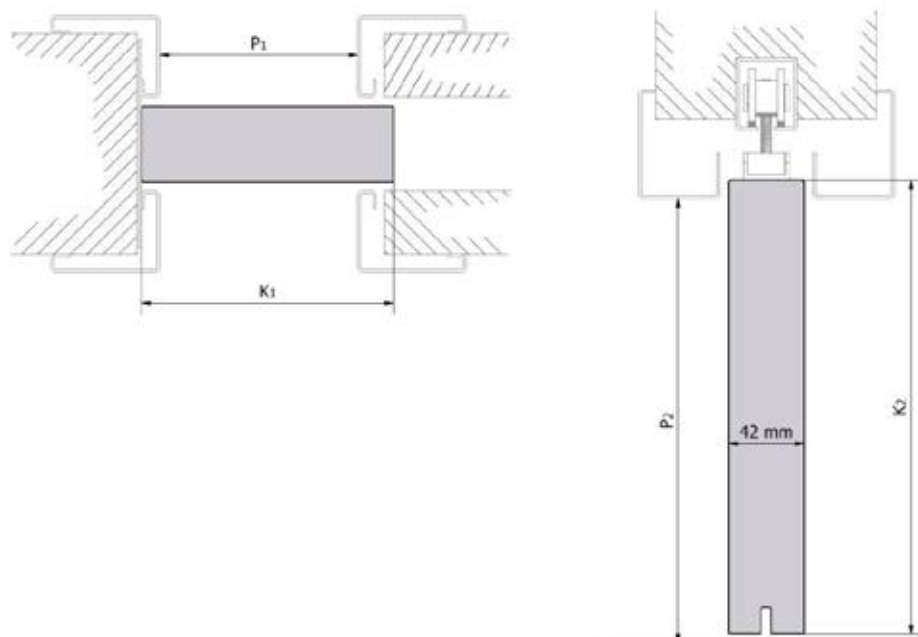


Table with example for calculating KD BASIC OR door dimensions

POSITION	P_1	K_1	Z_1	P_2	K_2	Z_2
FORMULA	/	P_1+30	P_1+40	/	P_2+7	P_2+50
DIMENSION	800	830	840	1980	1987	2030

KD BASIC OR DOORS ARE COMBINED WITH METAL KD FRAMES

FRAME TYPE	FRAME MODEL	INSTALLATION
orchidea	KD.OR 1 0 /	
	KD.OR 1 1 /	

KD CLASIC



TC Qlandia, Novo mesto

KD CLASIC

KD CLASIC metal doors are a high-quality product that is manufactured in accordance with the highest quality standards. The doors are easy to install and safe to use. They are characterised by elegant smooth lines. Silicone seals ensure smooth and silent closing.



Ptuj, market center

PROTECTION

The surface of KD CLASIC doors is protected by a layer of powder coating. The basic selection of coating colours is based on the RAL colour chart.

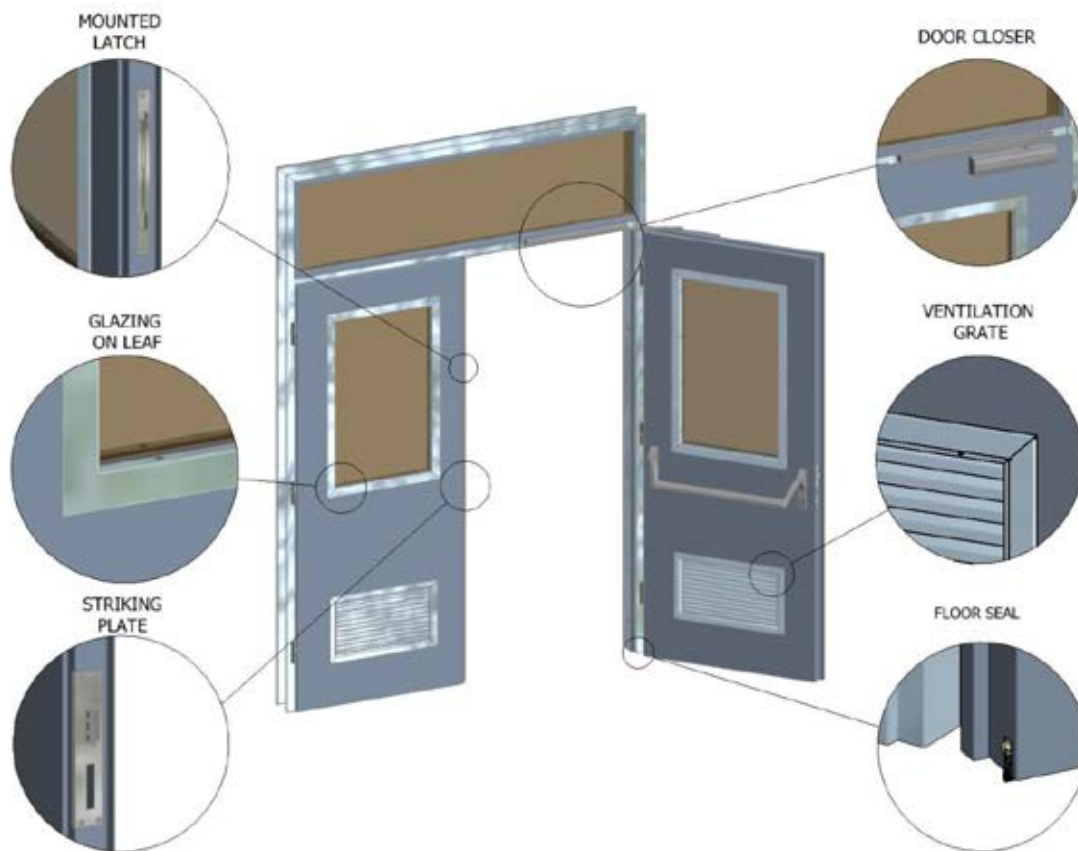


We manufacture doors to order, so they can be adapted to your openings and requirements. KD CLASIC doors can be combined with a fanlight and/or a sidelight. Glass, ventilation grates, and different systems of fittings can be installed in the door.

KD CLASIC doors are ranked one level higher than KD BASIC doors because:

- the doors have better insulation,
- larger door dimensions are possible,
- they are suitable for passages where higher frequencies are expected,
- a greater selection of door equipment is possible.

KD CLASIC DOOR EQUIPMENT



In combination with the appropriate fittings, KD CLASIC doors are used as:

- **inner doors** for apartments, industrial or business premises,
- **outer doors**, i.e doors in façades,
- doors **on escape routes**,
- doors in **power stations** (doors with ventilation grates),
- doors with **special requirements** (resistance to smoke leakage, radiation protection ...).












DIMENSIONS

KD CLASIC DOOR MAXIMUM DIMENSIONS	
Single-leaf door	1500 x 3000 mm
Double-leaf door	3000 x 3000 mm

ADDITIONAL EQUIPMENT

	C L A S S I C O	C L A S S I C P	C L A S S I C E
Face-fixed panic – SIST EN 1125	*		
Panic lock E – SIST EN 179	*	*	*
Panic lock E – SIST EN 1125	*	*	*
Panic lock B – SIST EN 179	*	*	*
Panic lock B – SIST EN 1125	*	*	*
Electric panic lock C – SIST EN 179			
Electric panic lock C – SIST EN 1125			
Electric strike with / without microswitch	*	*	*
Three-point automatic safety lock			
Closable hinge FHX-7939-160 inox		*	
Door closer	*	*	*
Built-in door closer			
Door closer with integrated electromecanic hold-open system	*	*	*
A mechanism for automatically opening and closing the door		*	
Built-in magnet – contact control of door closed	*	*	*
Glazing	*	*	*
Ventilation grid	*	*	*
Built-in floor seal	*	*	*
Mechanical hold open	*	*	*
Peephole	*	*	*

KD DOORS CAN BE COMBINED WITH METAL KD FRAMES

	CLASIC O	CLASIC P	CLASIC E
	*	*	*
	*	*	*
	*	*	*
	*	*	*
	*	*	*
	*	*	*
	*	*	*
	*	*	*
	*	*	*
	*	*	*
	*	*	*

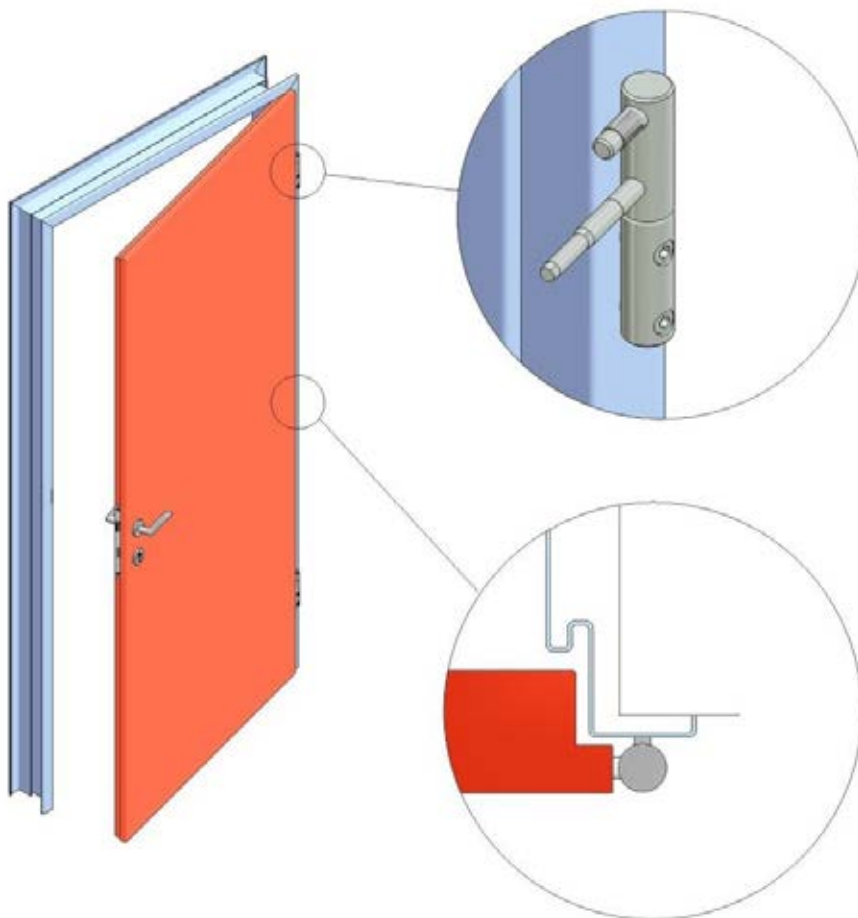
KD CLASIC DOOR MODELS

KD CLASIC O	Rebated leaf with two-part SFS INTEC 3D hinges.
KD CLASIC P	Rebated leaf with three-part INOX hinges.
KD CLASIC E	Rebated flush leaf with a frame with three-part INOX hinges.

KD CLASIC O

KD CLASIC O doors are metal, rebated doors with a thickness of 52 mm. They are suitable for both indoor and outdoor use. They are filled with stone wool, so they have a good thermal insulation and are moisture resistant. The doors are equipped with two-part SFS INTEC 3D hinges with an adjustable height, width, and depth.

The basic version of the KD CLASIC O door is smooth with a powder coating colour from the RAL colour chart.



STANDARD EQUIPMENT:

- cylinder lock,
- INOX handle on both sides,
- adjustable striking plate for lock,
- 2 SFS INTEC 3D hinges*,
- silicone seal.

* The number of hinges is determined by the size and weight of the door.

UPGRADING DOORS IN ACCORDANCE WITH THEIR INTENDED USE



The intended use of a door in a building can also be determined by the system of fittings with which it is equipped. The selected fittings determine the function of the operation of the door. See **ADDITIONAL EQUIPMENT** and **SYSTEMS OF FITTINGS** on page 83.

SECTION OF KD CLASIC O DOOR

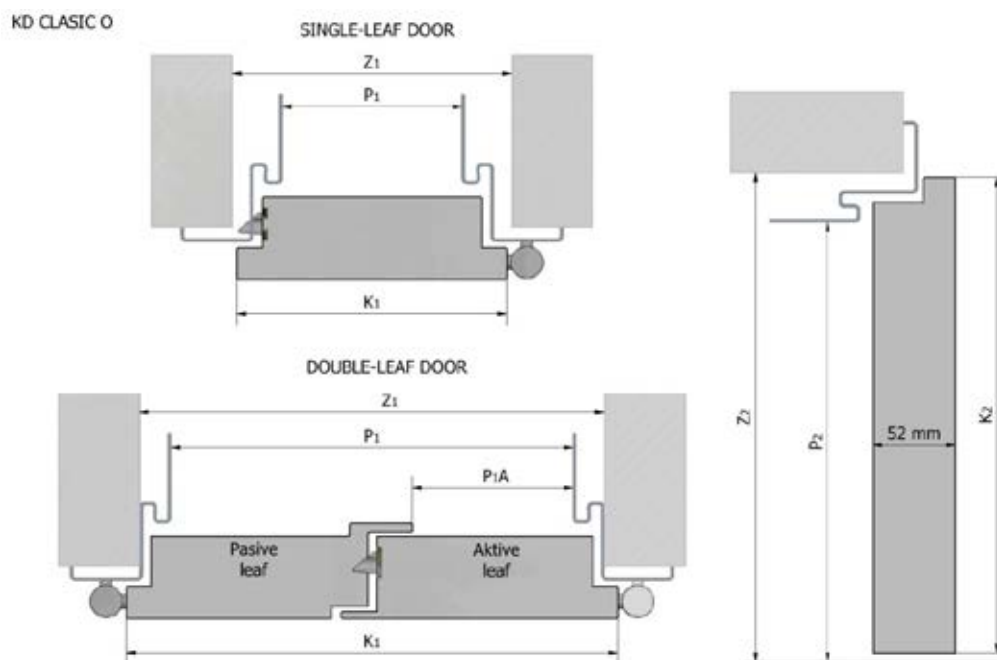


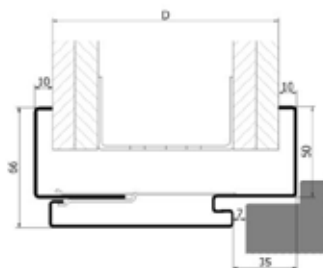
Table with example for calculating KD CLASIC O door dimensions

POSITION	P ₁	K ₁	Z ₁	P ₂	K ₂	Z ₂
FORMULA	/	P ₁ +50	P ₁ +80	/	P ₂ +20	P ₂ +40
DIMENSION	800	850	880	1980	2000	2020

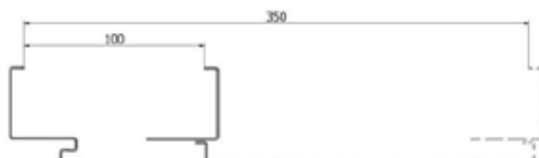
If you would like an asymmetrical double-leaf door, please determine the size of the active leaf P₁A in your order, otherwise we will produce a symmetrical double-leaf door.

KD CLASIC O DOORS ARE COMBINED WITH METAL KD FRAMES

Model:	KD	SM	1	0	35
Description:	basic drywall model				



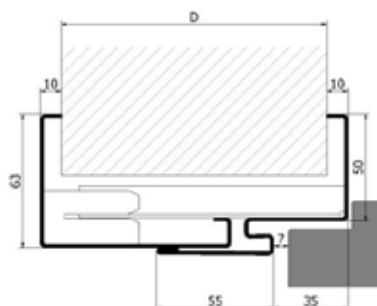
Adaptability to wall thickness:



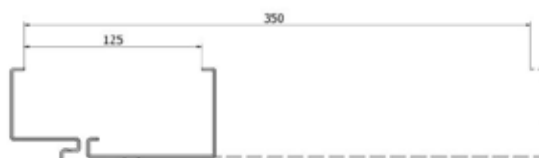
KD.SM 1 0 35 standard dimensions

T (mm)	from to	100	125	150	175	200	225	250	275	300	325	350
SIDE VIEW		100	125	150	175	200	225	250	275	300	325	350

Model:	KD	SM	2	0	35
Description:	model with hidden bolts				



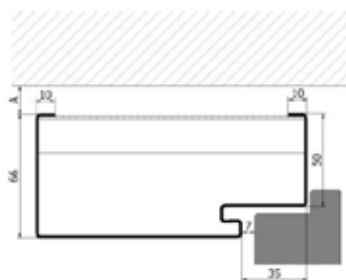
Adaptability to wall thickness:



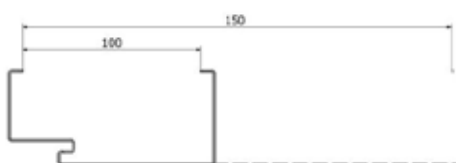
KD.SM 2 0 35 standard dimensions

T (mm)	from to	125	150	175	200	225	250	275	300	325	350
SIDE VIEW		125	150	175	200	225	250	275	300	325	350

Model:	KD	SR	1	0	35
Description:	central basic model				



Adaptability to wall thickness:



KD.SR 1 0 35 standard dimensions			
T (mm)	100	120	150

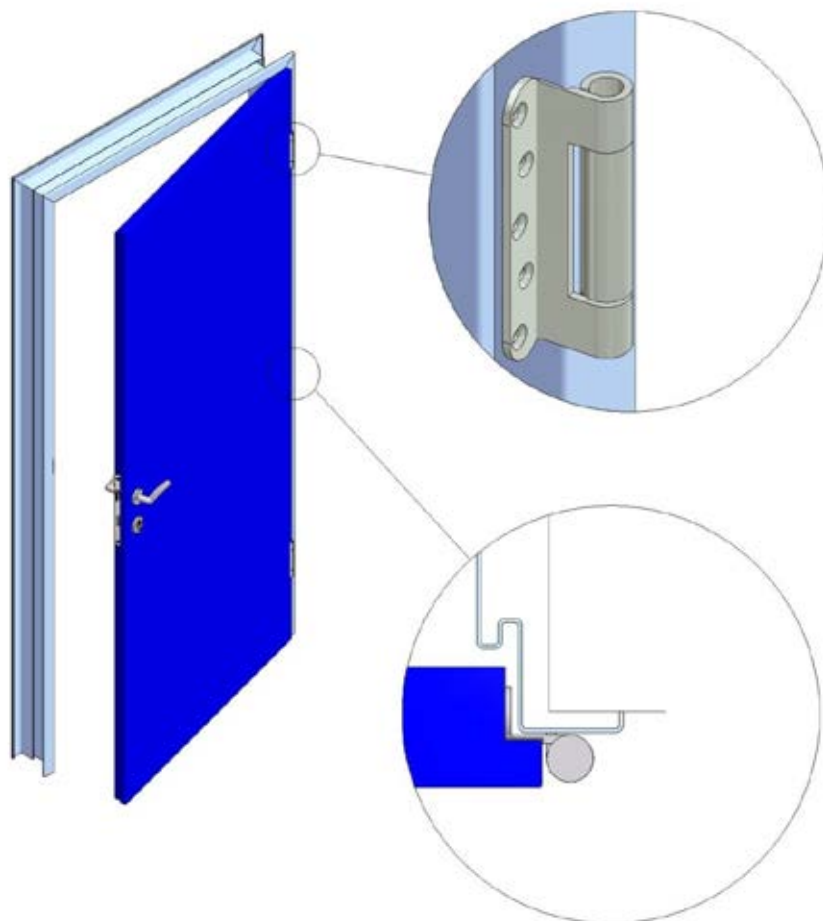
INSTALLATION



KD CLASIC P

KD CLASIC P doors are metal, rebated doors with a thickness of 52 mm. They are suitable for indoor and outdoor use. They are filled with stone wool, so they have good thermal insulation and moisture resistance. The doors are equipped with three-part INOX hinges with an adjustable height, width, and depth.

The basic version of the KD CLASIC P door is smooth with a powder coating colour from the RAL colour chart.



STANDARD EQUIPMENT:

- cylinder lock,
- INOX handle on both sides,
- adjustable striking plate for lock,
- 2 three-part INOX hinges*,
- silicone seal.

*The number of hinges is determined by the size and weight of the door.

UPGRADING DOORS IN ACCORDANCE WITH THEIR INTENDED USE



The intended use of a door in a building can also be determined by the system of fittings with which it is equipped. The selected fittings determine the function of the operation of the door. See **ADDITIONAL EQUIPMENT** and **SYSTEMS OF FITTINGS** on page 84.

SECTION OF KD CLASIC P DOOR

KD CLASIC P

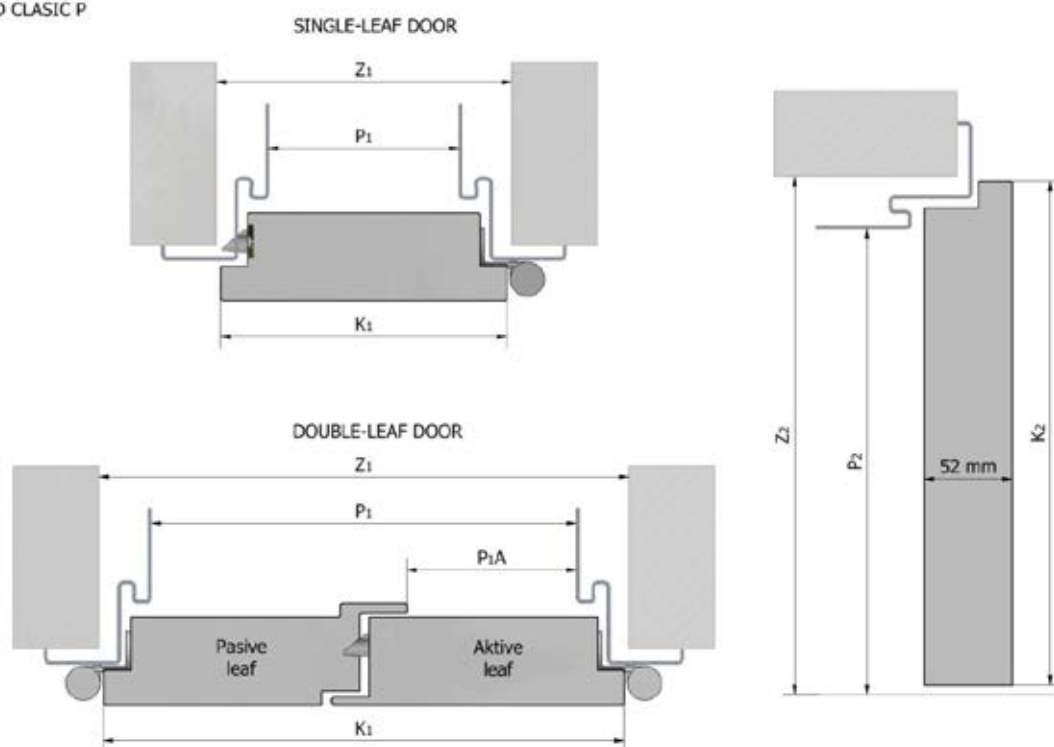


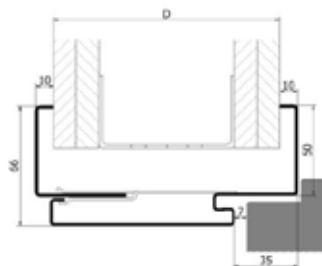
Table with example for calculating KD CLASIC P door dimensions

POSITION	P_1	K_1	Z_1	P_2	K_2	Z_2
FORMULA	/	P_1+50	P_1+100	/	P_2+20	P_2+50
DIMENSION	800	850	900	1980	2000	2030

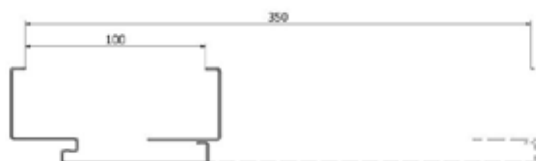
If you would like an asymmetrical double-leaf door, please determine the size of the active leaf P_1A in your order, otherwise we will produce a symmetrical double-leaf door.

KD CLASIC P DOORS ARE COMBINED WITH METAL KD FRAMES

Model:	KD	SM	1	0	35
Description:	basic drywall model				



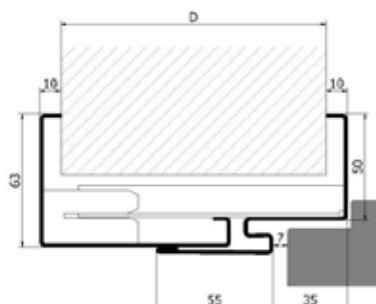
Adaptability to wall thickness:



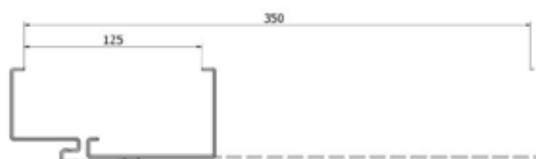
KD.SM 1 0 35 standard dimensions

T (mm)	from to	100	125	150	175	200	225	250	275	300	325	350
		124	149	174	199	224	249	274	299	324	349	375
SIDE VIEW		100	125	150	175	200	225	250	275	300	325	350

Model:	KD	SM	2	0	35
Description:	model with hidden bolts				



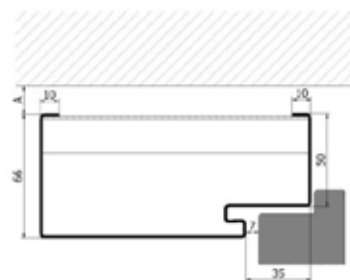
Adaptability to wall thickness:



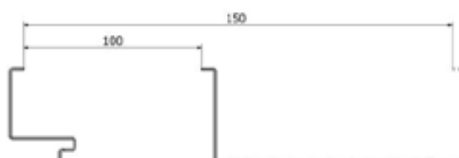
KD.SM 2 0 35 standard dimensions

T (mm)	from to	125	150	175	200	225	250	275	300	325	350
		149	174	199	224	249	274	299	324	349	375
SIDE VIEW		125	150	175	200	225	250	275	300	325	350

Model:	KD	SR	1	0	35
Description:	central basic model				



Adaptability to wall thickness:



KD.SR 1 0 35 standard dimensions			
T (mm)	100	120	150

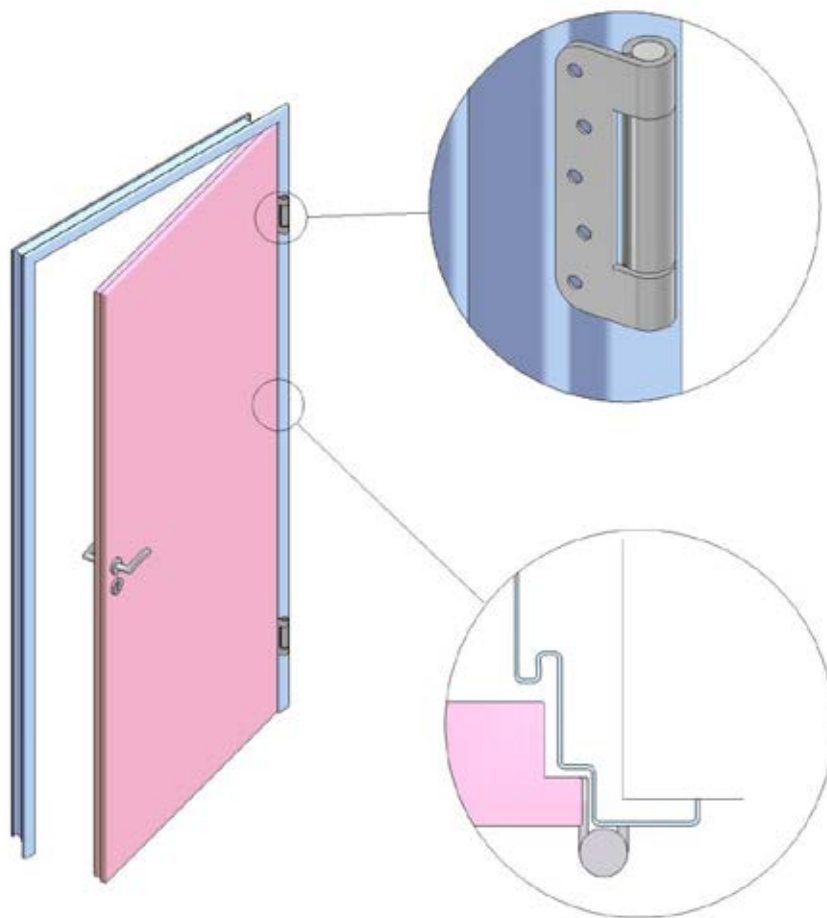
INSTALLATION



KD CLASIC E

KD CLASIC E doors are metal, rebated doors with a thickness of 52 mm. The door leaf is flush with the forend of the metal KD frame. They are suitable for indoor and outdoor use. They are filled with stone wool, so they have good thermal insulation and moisture resistance. The doors are equipped with three-part INOX hinges with an adjustable height, width, and depth.

The basic version of the KD CLASIC E door is smooth with a powder coating colour from the RAL colour chart.



STANDARD EQUIPMENT:

- cylinder lock,
- INOX handle on both sides,
- adjustable striking plate for lock,
- 2 three-part INOX hinges*,
- silicone seal.

* The number of hinges is determined by the size and weight of the door.

UPGRADING DOORS IN ACCORDANCE WITH THEIR INTENDED USE



The intended use of a door in a building can also be determined by the system of fittings with which it is equipped. The selected fittings determine the function of the operation of the door. See **ADDITIONAL EQUIPMENT** and **SYSTEMS OF FITTINGS** on page 83.

SECTION OF KD CLASIC E DOOR

KD CLASIC E

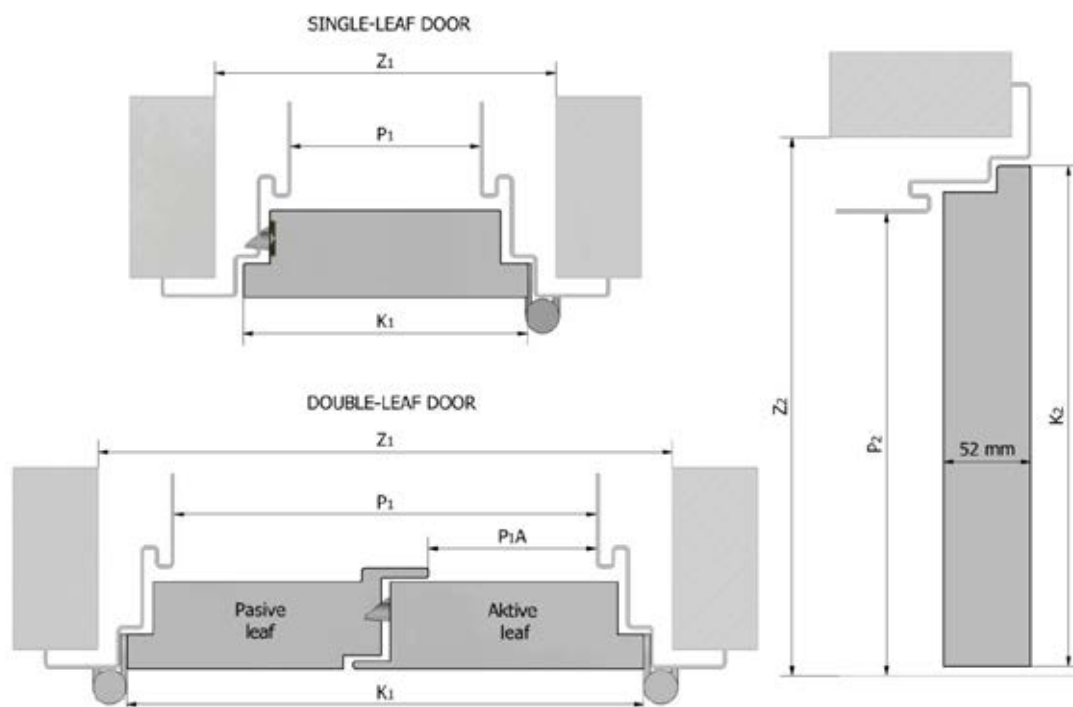


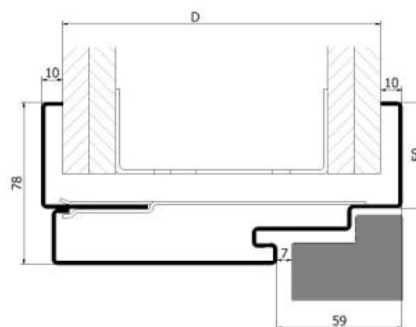
Table with example for calculating KD CLASIC E door dimensions

POSITION	P_1	K_1	Z_1	P_2	K_2	Z_2
FORMULA	/	P_1+50	P_1+120	/	P_2+20	P_2+60
DIMENSION	800	850	920	1980	2000	2040

If you would like an asymmetrical double-leaf door, please determine the size of the active leaf P_{1A} in your order, otherwise we will produce a symmetrical double-leaf door.

KD CLASIC E DOORS ARE COMBINED WITH THE FOLLOWING METAL KD FRAMES

Model:	KD	SM	6	0	59
Description:	basic elegance model				

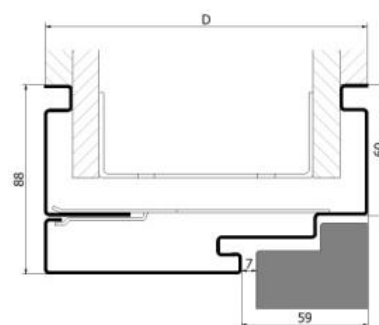


Adaptability to wall thickness:

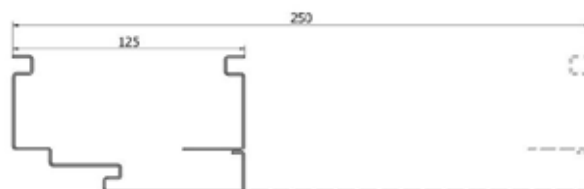


KD.SM 6 0 59 standard dimensions												
T (mm)	from to	100	125	150	175	200	225	250	275	300	325	350
		124	149	174	199	224	249	274	299	324	349	375
SIDE VIEW		100	125	150	175	200	225	250	275	300	325	350

Model:	KD	SM	6	1	59
Description:	Basic, tunnel elegance model				

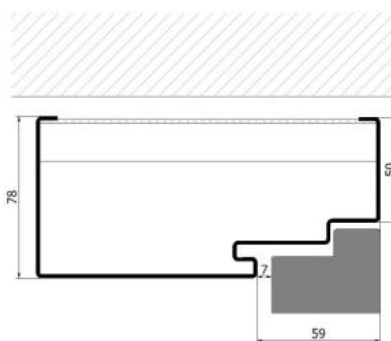


Adaptability to wall thickness:

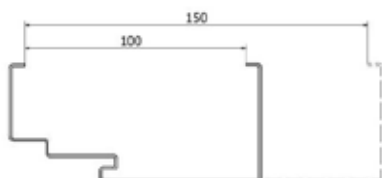


KD.SM 6 1 59 standard dimensions							
T (mm)	from to	125	150	175	200	225	250
		149	174	199	224	249	274
SIDE VIEW		125	150	175	200	225	250

Model:	KD	SR	6	0	59
Description:	central elegance model				

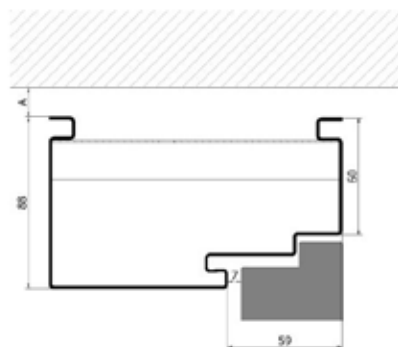


Adaptability to wall thickness:

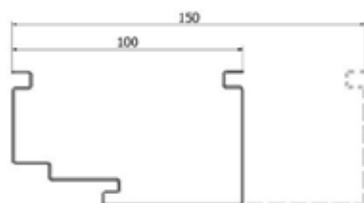


KD.SR 6 0 59 standard dimensions			
T (mm)	100	120	150

Model:	KD	SR	6	1	59
Description:	central, tunnel elegance model				



Adaptability to wall thickness:



KD.SR 6 1 59 standard dimensions			
T (mm)	100	120	150

INSTALLATION



KD PREMIUM



Faculty of Medicine, Maribor

KD PREMIUM

KD PREMIUM metal fire doors are a high-quality product that is manufactured in accordance with the highest quality standards. The doors are easy to install and safe to use. They are characterised by elegant smooth lines. Silicone seals ensure smooth and silent closing.

The surface of KD PREMIUM doors is protected by a layer of powder coating selected according to the customer's wishes. The basic selection of coating colours is based on the RAL colour chart.



We manufacture doors to order, so they can be adapted to your openings and wishes.



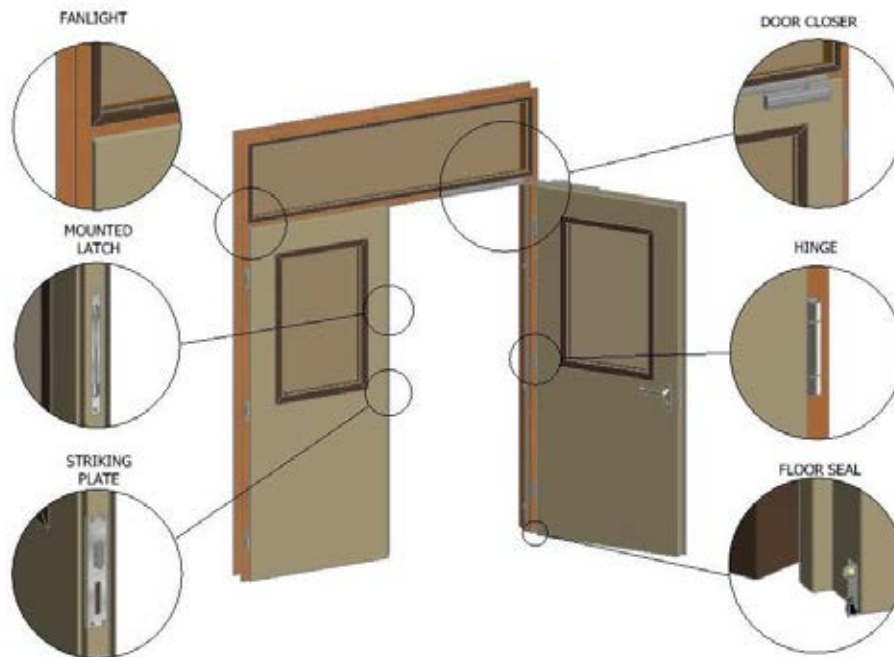
Ljubljanske mlekarne, dairies

Possible features of KD PREMIUM fire doors based on their intended use:

- fire resistance (EI₂30, EI₂60, EI₂90, EI₂120),
- fire glazing in leaf and/or fanlight (EI₂30, EI₂60),
- resistance to smoke leakage (S_a),
- soundproofing (39 dB, 43 dB),
- thermal transmittance ($U_D = 0.86 \div 1.2 \text{ W/m}^2\text{K}$),
- air permeability on contact surfaces (Class 3),
- protection against the ingress of dust or liquid (IP56),
- protection against radiation (X-ray)



EQUIPMENT ON KD PREMIUM DOORS



KD PREMIUM fire doors are intended for installation at the boundaries of fire and/or smoke control sections, as well as for installation on escape routes. They are suitable for:

- entrance doors in apartments and hotel rooms,
- doors on industrial or business premises,
- doors on escape routes,
- doors on outer walls,
- doors in power stations,
- doors in facilities with special requirements (hospitals, tunnels ...)

The KD PREMIUM door line is the most comprehensive programme, since it covers both normal and fire metal doors.

KD PREMIUM DOOR MODELS

KD PREMIUM 00	Insulated metal door with a thickness of 68 mm.
KD PREMIUM 30	Metal fire door with a fire resistance of EI₂30 , 68 mm thickness.
KD PREMIUM 60	Metal fire door with a fire resistance of EI₂60 , 68 mm thickness.
KD PREMIUM 90	Metal fire door with a fire resistance of EI₂90 , 75 mm thickness.
KD PREMIUM 120	Metal fire door with a fire resistance of EI₂120 , 75 mm thickness.

The purpose of a fire door is to prevent a fire spreading from one section to another and to enable the safe evacuation of people from the building.

Determining the classification of fire doors:

- Integrity (**E**): the ability of an element to prevent the passage of flames or hot gasses. When the element is exposed to fire, cracks or openings should not appear.
- Insulation (**I**): the ability of an element to prevent the excessive transmittance of heat by conduction. Elements must be manufactured from materials that are thermal insulators.

Insulation (**I₂**): average increase in temperature is 140 °C or less;

maximum increase in temperature on leaf is 180 °C or less;

maximum increase in temperature on frame is 360 °C or less.

- Time in minutes (**30, 60, 90, 120**), representing the time the criteria are fulfilled during the fire resistance test in accordance with the curve of a standard fire.



Sports center Stožice, Ljubljana

All KD PREMIUM door models can be upgraded to meet specific demands, such as increased soundproofing, IP protection, and radiation protection.

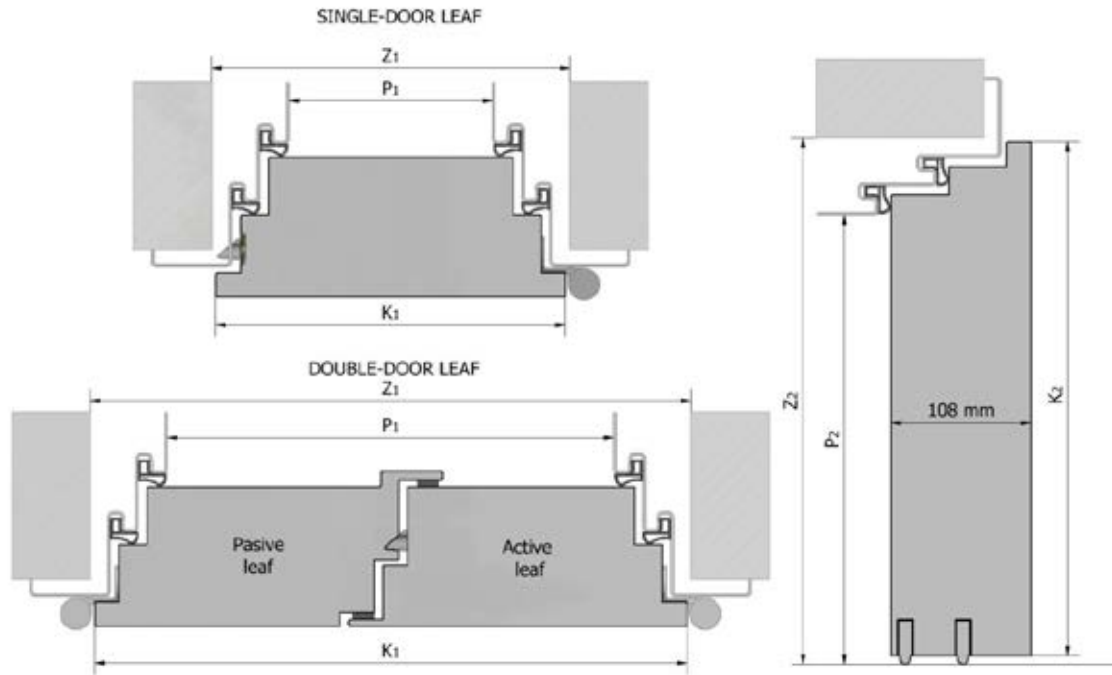


Faculty of Chemistry and Chemical Technology, Ljubljana



SOUNDPROOFING:

All KD PREMIUM door models, in combination with the floor seal, have soundproofing of 39 dB. Soundproofing of 43 dB can be achieved by increasing the thickness of the door to 110 mm and adding an extra double seal to the metal KD frame.

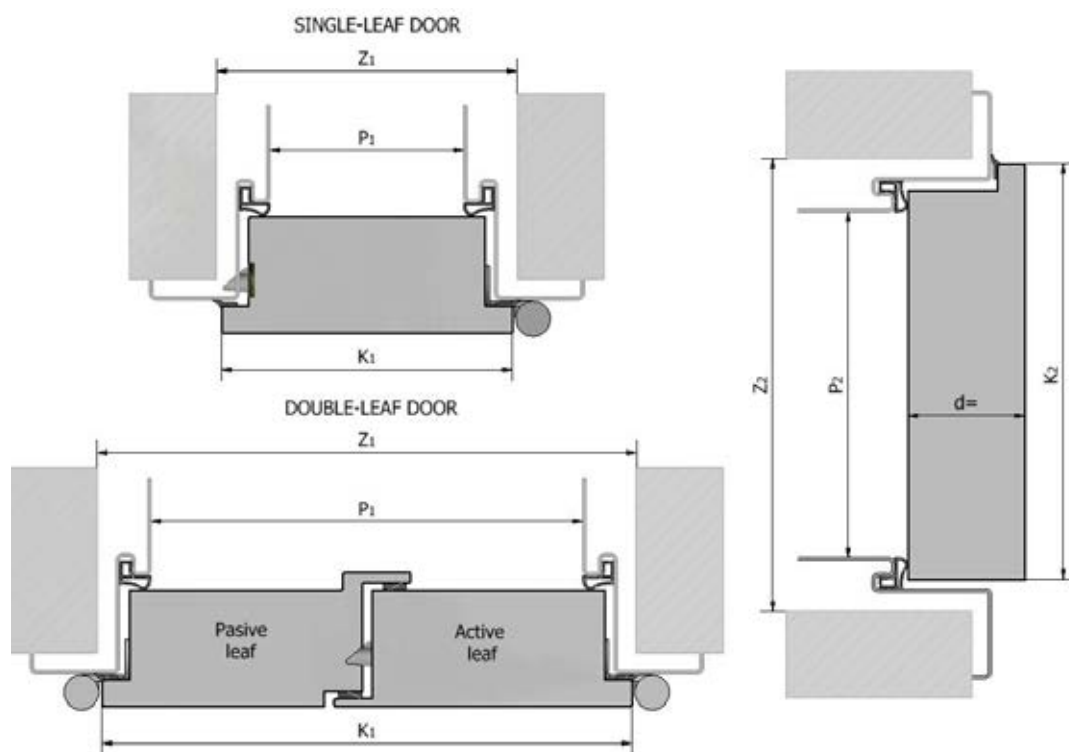


Maximus, Murska Sobota (cinemas)



IP PROTECTION:

All KD PREMIUM door models can be equipped with an additional seal on the leaf, which prevents the ingress of dust particles and liquids into the room when the door is closed. Such doors have the IP 56 classification.



Container, Celje



RADIATION PROTECTION:

All KD PREMIUM door models can be fitted with a lead coating of an appropriate thickness depending on the required radiation protection. KD PREMIUM 00 doors can also be fitted with glass of an equivalent radiation protection.













Emergency centre, Celje

ADDITIONAL EQUIPMENT

	KD P R E M I U M 00	KD P R E M I U M 30	KD P R E M I U M 60	KD P R E M I U M 90	KD P R E M I U M 120
Face-fixed panic – SIST EN 1125					
Panic lock E – SIST EN 179	*	*	*	*	*
Panic lock E – SIST EN 1125	*	*	*	*	*
Panic lock B – SIST EN 179	*	*	*	*	*
Panic lock B – SIST EN 1125	*	*	*	*	*
Electric panic lock C – SIST EN 179	*	*	*	*	*
Electric panic lock C – SIST EN 1125	*	*	*	*	*
Electric strike with / without microswitch	*	*	*	*	*
Three-point automatic safety lock	*	*	*	*	*
Closable hinge FHX-7939-160 inox	*	*	*		
Door closer	*	*	*	*	*
Built-in door closer	*	*	*	*	*
Door closer with integrated electromecanic hold-open system	*	*	*	*	*
A mechanism for automatically opening and closing the door	*	*	*	*	*
Built-in magnet – contact control of door closed	*	*	*	*	*
Glazing	*	*	*		
Ventilation grid	*				
Built-in floor seal	*	*	*	*	*
Mechanical hold open	*				
Peephole	*	*	*	*	*

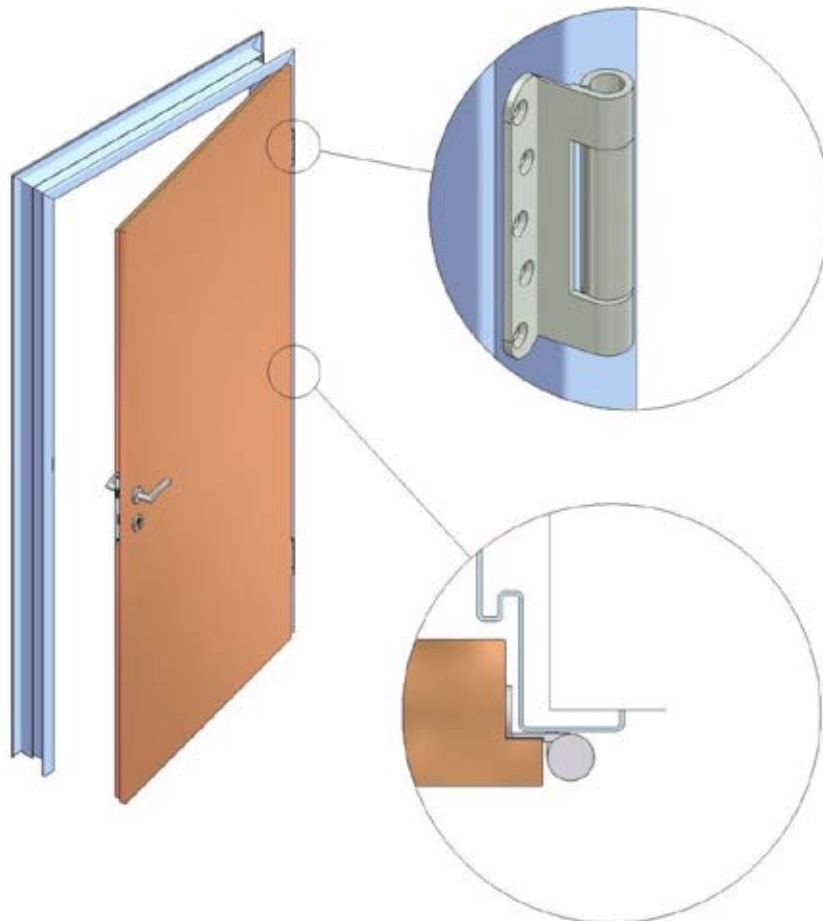
KD DOORS CAN BE COMBINED WITH METAL KD FRAMES

	KD PREMIUM 00	KD PREMIUM 30	KD PREMIUM 60	KD PREMIUM 90	KD PREMIUM 120
	*	*	*	*	*
	*	*	*		
	*				
	*				
	*				
	*				
	*				
	*				
	*				
	*				

KD PREMIUM 00

KD PREMIUM 00 doors are metal, grooved doors with a thickness of 68 mm. They are suitable for indoor and outdoor use. They are filled with stone wool, so they have good thermal insulation and are resistant to humidity. The doors are equipped with three-part INOX hinges with an adjustable height, width and depth.

The basic version of the KD PREMIUM 00 door is smooth and has a powder coating selected from the RAL colour chart.



STANDARD EQUIPMENT:

- cylinder lock,
- INOX handle on both sides,
- adjustable striking plate for lock,
- 2 three-part INOX hinges*,
- silicone seal.

*The number of hinges is determined by the size and weight of the door.

UPGRADING DOORS IN ACCORDANCE WITH THEIR INTENDED USE



The intended use of a door in a building can also be determined by the system of fittings with which it is equipped. The selected fittings determine the function of the operation of the door.

DIMENSIONS

MAXIMUM SIZE OF THE KD PREMIUM 00 DOOR	
Single-leaf door	1500 x 3000 mm
Double-leaf door	3000 x 3000 mm

MAXIMUM SIZE OF THE KD PREMIUM 00 DOOR soundproofing of 43 dB	
Single-leaf door	1200 x 2800 mm
Double-leaf door	2400 x 2800 mm

SECTION OF KD PREMIUM 00 DOOR

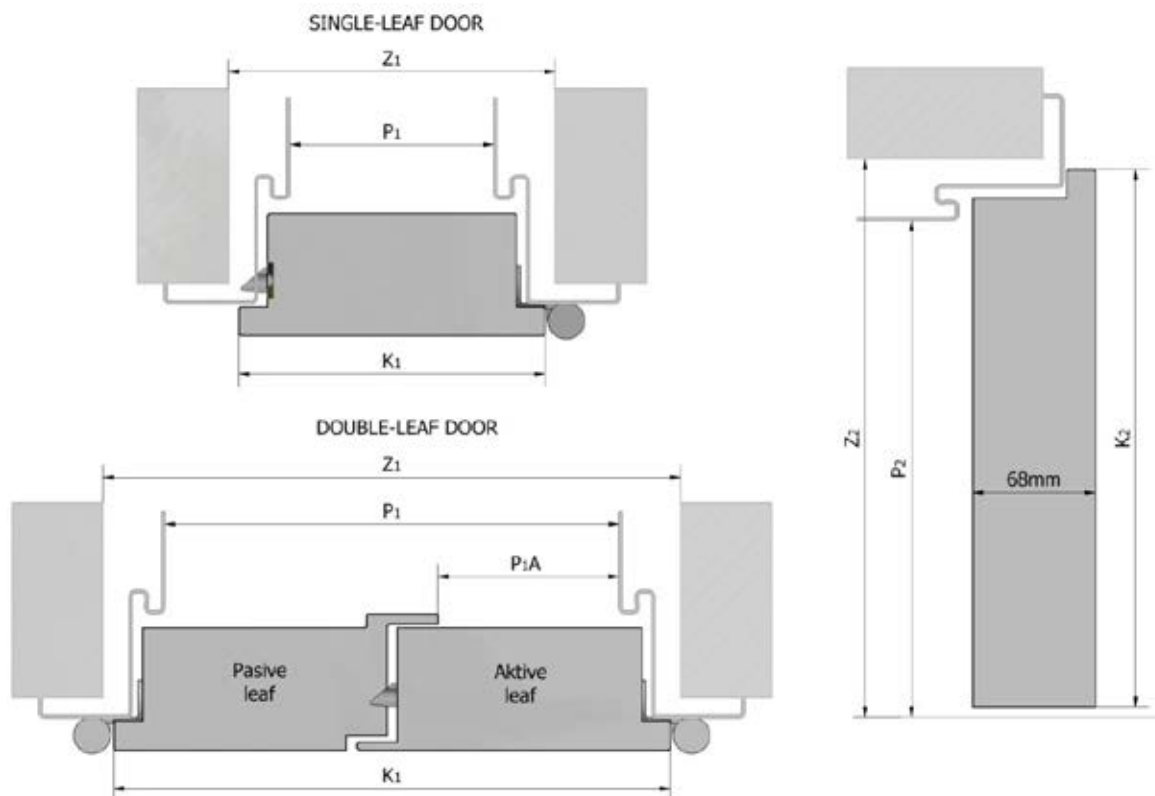


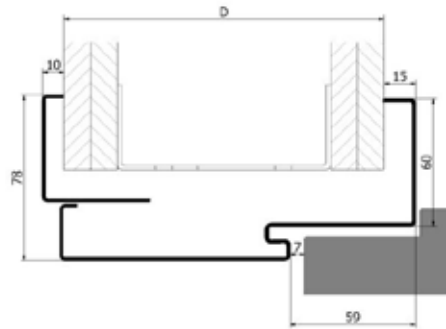
Table with example for calculating KD PREMIUM 00 door dimensions

POSITION	P_1	K_1	Z_1	P_2	K_2	Z_2
FORMULA	/	P_1+50	P_1+100	/	P_2+20	P_2+50
DIMENSION	800	850	900	1980	2000	2030

If you would like an asymmetrical double-leaf door, you need to determine the size of the active leaf P_1A in your order, otherwise we will produce a symmetrical double-leaf door.

KD PREMIUM 00 DOORS ARE COMBINED WITH METAL KD FRAMES

Model:	KD	SM	1	0	59
Description:	basic drywall model				



Adaptability to wall thickness:



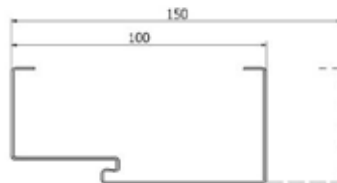
KD.SM 1 0 59 standard dimensions

T (mm)	from to	100	125	150	175	200	225	250	275	300	325	350
		124	149	174	199	224	249	274	299	324	349	375
SIDE VIEW		100	125	150	175	200	225	250	275	300	325	350

Model:	KD	SR	1	0	59
Description:	central basic model				



Adaptability to wall thickness:



KD.SR 1 0 59 standard dimensions

T (mm)	100	120	150
--------	-----	-----	-----

INSTALLATION



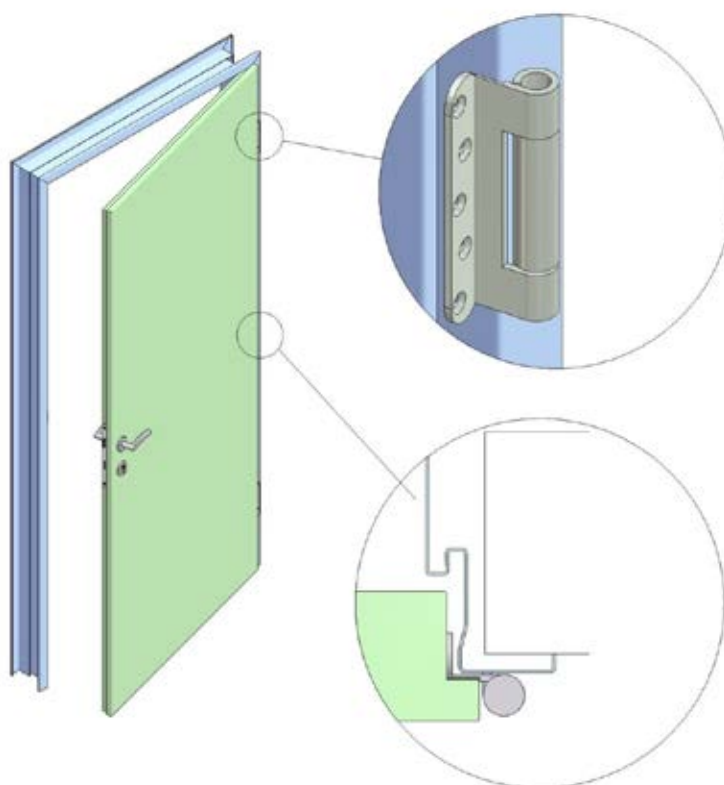
KD PREMIUM 30 AND KD PREMIUM 60

KD PREMIUM 30 doors are metal fire doors with a thickness of 68 mm and an **EI₂30** classification.

KD PREMIUM 60 doors are metal fire doors with a thickness of 68 mm and an **EI₂60** classification.

Fire doors are intended for installation at the boundaries of fire and/or smoke control sections, as well as for installation on escape routes. They are suitable for indoor and outdoor use. They are installed in walls which must have an appropriate fire classification and must be properly prepared. The doors are manufactured from materials which have the characteristics for good thermal insulation and humidity resistance. The doors are equipped with three-part INOX hinges with an adjustable height, width, and depth. Fire doors must be equipped with door closers, which ensure that the doors are closed in the case of fire. Fire doors that are opened occasionally and are installed in rooms which may only be accessed by authorised persons and which are intended for the inspection and servicing of equipment may be installed without door closers, but they must be labelled with the words “FIRE DOOR, KEEP SHUT!”.

The basic versions of the KD PREMIUM 30 and KD PREMIUM 60 doors are smooth with a powder coating from the RAL colour chart.



STANDARD EQUIPMENT:

- cylinder lock,
- INOX handle on both sides,
- adjustable striking plate for lock,
- 2 three-part INOX hinges*,
- 2 x safety bolt**,
- door closer,
- silicone seal.

*The number of hinges is determined by the size and weight of the door.

**The number of bolts is determined by the height of the door.

UPGRADING DOORS IN ACCORDANCE WITH THEIR INTENDED USE



KD PREMIUM 30 and KD PREMIUM 60 metal fire doors can be equipped with fire glass in the leaf and/or fanlight. The largest possible area of glass in the leaf is 30% of the door leaf area. KD PREMIUM 30 and KD PREMIUM 60 single-leaf and double-leaf doors can be manufactured with a fanlight, provided the total maximum height of the frame is 3500 mm. Instead of a windowpane a panel with the same composition as the door leaf may be fitted in the fanlight.



KD PREMIUM 30 and KD PREMIUM 60 fire doors can be equipped with radiation protection, but such doors cannot have any glass fitted in them.



The intended use of a door in a building can also be determined by the system of fittings with which it is equipped. The selected fittings determine the function of the operation of the door.

DIMENSIONS

MAXIMUM SIZE OF THE KD PREMIUM 30 DOOR AND KD PREMIUM 60 DOOR	
Single-leaf door	1500 x 3000 mm
Double-leaf door	3000 x 3000 mm

MAXIMUM SIZE OF THE KD PREMIUM 30 DOOR AND KD PREMIUM 60 DOOR soundproofing of 43 dB	
Single-leaf door	1200 x 2800 mm
Double-leaf door	2400 x 2800 mm

SECTION OF KD PREMIUM 30 AND KD PREMIUM 60 DOORS

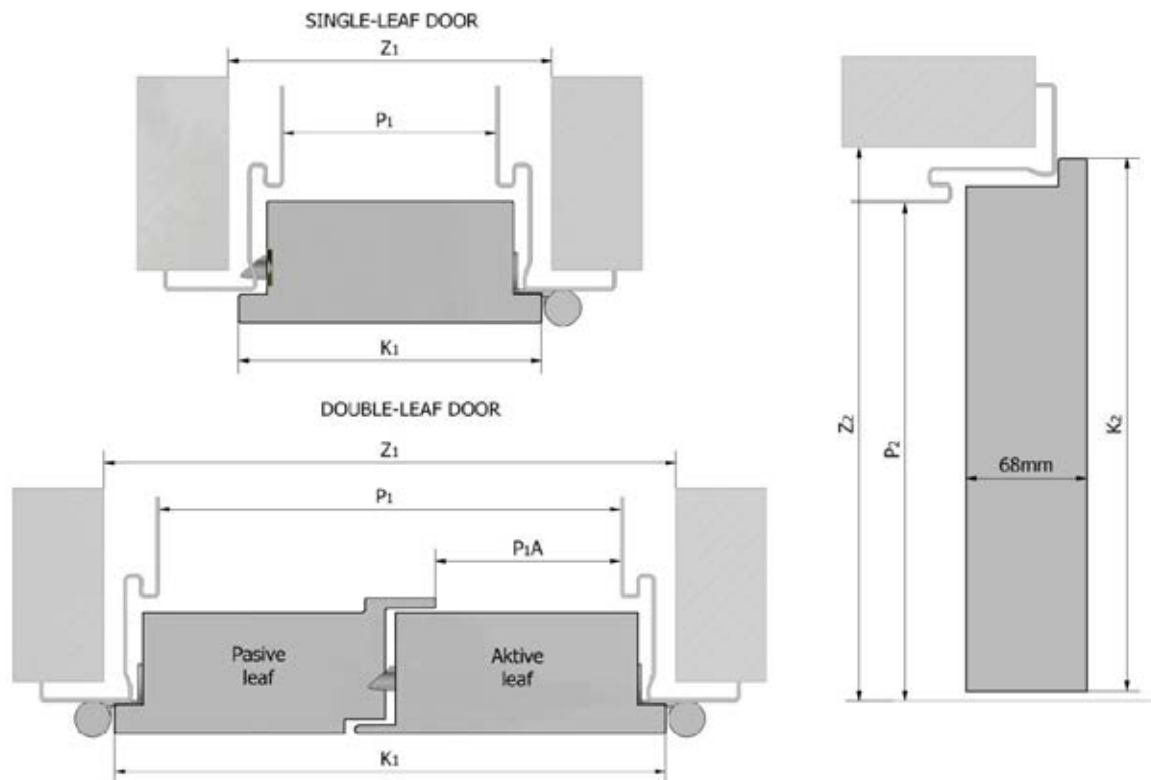


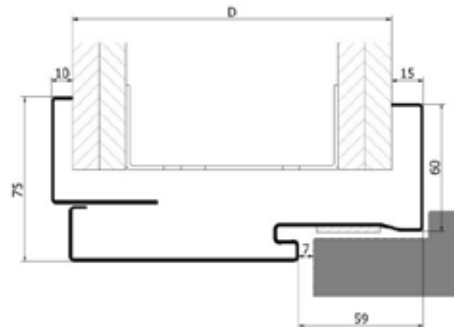
Table with example for calculating KD PREMIUM 30 and KD PREMIUM 60 door dimensions

POSITION	P_1	K_1	Z_1	P_2	K_2	Z_2
FORMULA	/	P_1+50	P_1+100	/	P_2+20	P_2+50
DIMENSION	800	850	900	1980	2000	2030

If you would like an asymmetrical double-leaf door, please determine the size of the active leaf P_{1A} in your order, otherwise we will produce a symmetrical double-leaf door.

KD PREMIUM 30 AND KD PREMIUM 60 DOORS ARE COMBINED WITH METAL KD FRAMES

Model:	KD	SMP	1	0	59
Description:	basic drywall, fire model				



Adaptability to wall thickness:



KD.SMP 1 0 59 standard dimensions

T (mm)	from to	100	125	150	175	200	225	250	275	300	325	350
SIDE VIEW		100	125	150	175	200	225	250	275	300	325	350

INSTALLATION



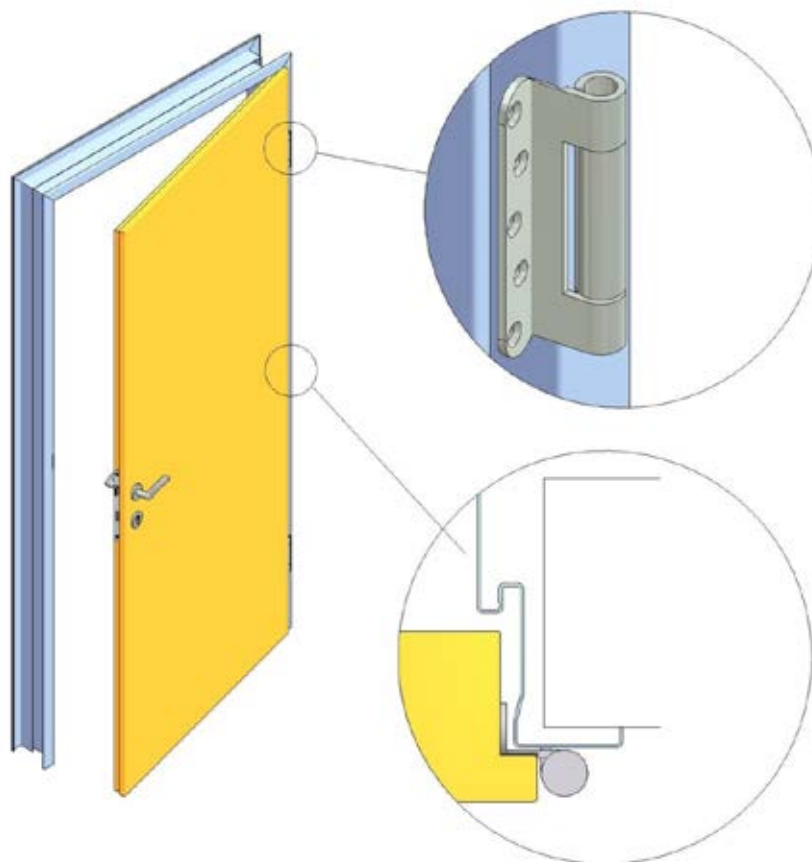
KD PREMIUM 90 AND KD PREMIUM 120

KD PREMIUM 90 doors are metal fire doors with a thickness of 75 mm and an **EI₂90** classification.

KD PREMIUM 120 doors are metal fire doors with a thickness of 75 mm and an **EI₂120** classification.

Fire doors are intended for installation at the boundaries of fire and/or smoke control sections, as well as for installation on escape routes. They are suitable for indoor and outdoor use. They are installed in walls which must have an appropriate fire classification and must be properly prepared. The doors are manufactured from materials which have the characteristics for good thermal insulation and humidity resistance. The doors are equipped with three-part INOX hinges with adjustable height, width, and depth. Fire doors must be equipped with door closers, which ensure that the doors are closed in the case of fire. Fire doors that are opened occasionally and are installed in rooms which may only be accessed by authorised persons and which are intended for the inspection and servicing of equipment may be installed without door closers, but they must be labelled with the words “FIRE DOOR, KEEP SHUT!”.

The basic versions of the KD PREMIUM 90 and KD PREMIUM 120 doors are smooth with a powder coating colour from the RAL colour chart.



STANDARD EQUIPMENT:

- cylinder lock,
- INOX handle on both sides,
- adjustable striking plate for lock,
- 3 three-part INOX hinges*,
- 2 x safety bolt**,
- door closer,
- silicone seal.

*The number of hinges is determined by the size and weight of the door.

**The number of bolts is determined by the height of the door.

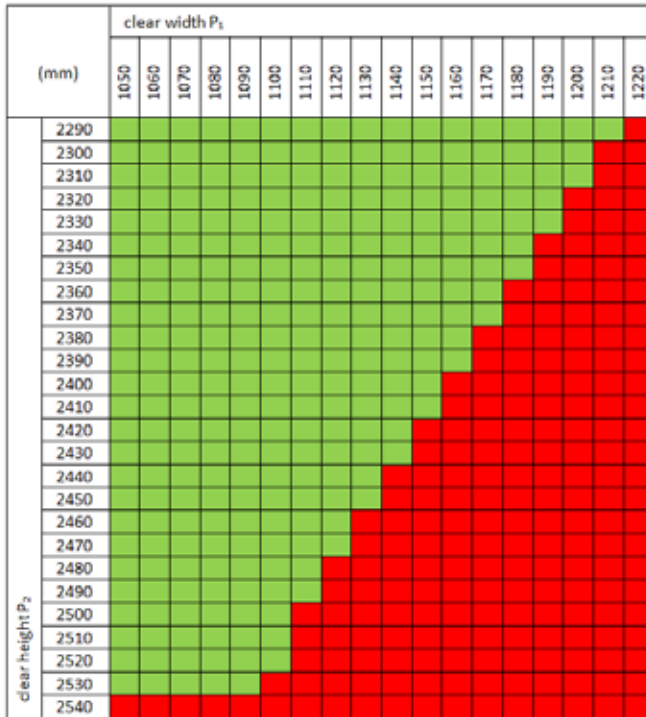
UPGRADING DOORS IN ACCORDANCE WITH THEIR INTENDED USE



The intended use of a door in a building can also be determined by the system of fittings with which it is equipped. The selected fittings determine the function of the operation of the door.

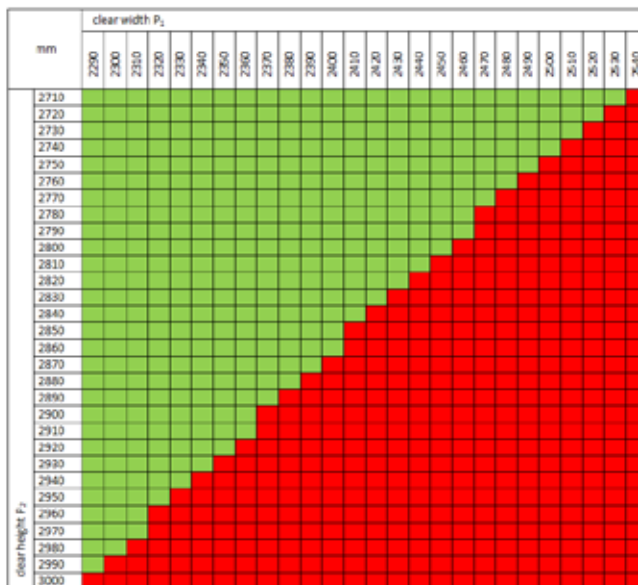
DIMENSIONS

MAXIMUM SIZE OF THE KD PREMIUM 90 DOOR ANDKD PREMIUM 120 DOOR - Single-leaf door



KEY	
	Doors in these or smaller dimensions are possible.
	Doors in these dimensions are not possible.

MAXIMUM SIZE OF THE KD PREMIUM 90 DOOR ANDKD PREMIUM 120 DOOR - double-leaf door



KEY	
	Doors in these or smaller dimensions are possible.
	Doors in these dimensions are not possible.

MAXIMUM SIZE OF THE KD PREMIUM 90 door and KD PREMIUM 120 door soundproofing of 43 dB	
Double-leaf door	2400 x 2800 mm

SECTION OF KD PREMIUM 90 AND KD PREMIUM 120 DOORS

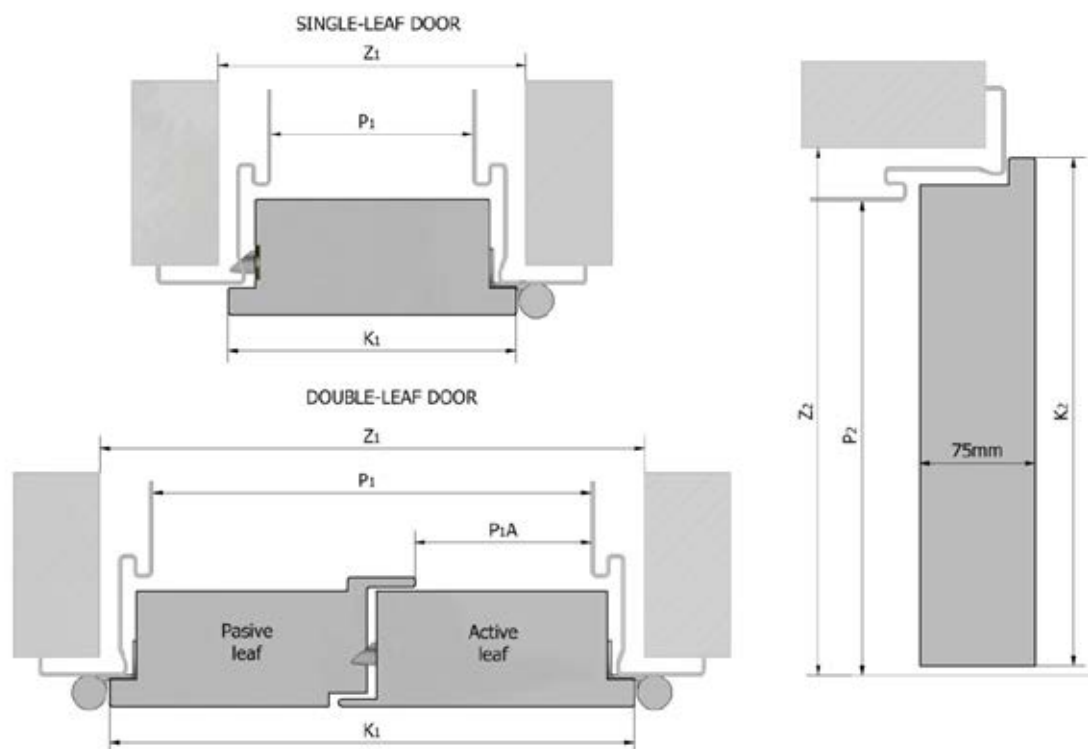


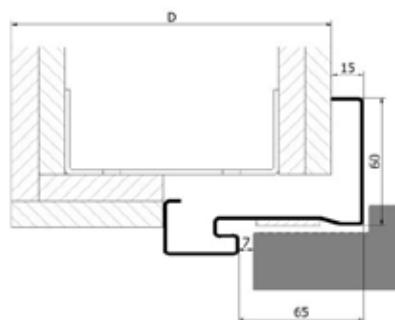
Table with example for calculating KD PREMIUM 90 and KD PREMIUM 120 door dimensions

POSITION	P_1	K_1	Z_1	P_2	K_2	Z_2
FORMULA	/	P_1+50	P_1+100	/	P_2+20	P_2+50
DIMENSION	800	850	900	1980	2000	2030

If you want an asymmetrical double-leaf door, you need to determine the size of the active leaf P_{1A} in your order, otherwise we will produce a symmetrical double-leaf door.

KD PREMIUM 90 and KD PREMIUM 120 doors are combined with metal KD frames

Model:	KD	SMP	1	0	65
Description:	basic drywall fire frame				



Adaptability to wall thickness:

T = minimum 100 mm

A metal border can be manufactured to compensate for the difference in wall thickness.

INSTALLATION



KDELEGANCE



Hotel Čatež, Terme Čatež

KD ELEGANCE

KD ELEGANCE metal fire doors are a high-quality product that is manufactured in accordance with the highest quality standards. The door leaf is flush with the forend of the metal KD frame. The doors are easy to install and safe to use. They are characterised by elegant smooth lines. Silicone seals ensure smooth and silent closing.

The surface protection of KD ELEGANCE doors is a powder coating layer selected according to the customer's wishes. The basic selection of coating colours is based on the RAL colour chart.



We manufacture doors to order, so they can be adapted to your openings and wishes.



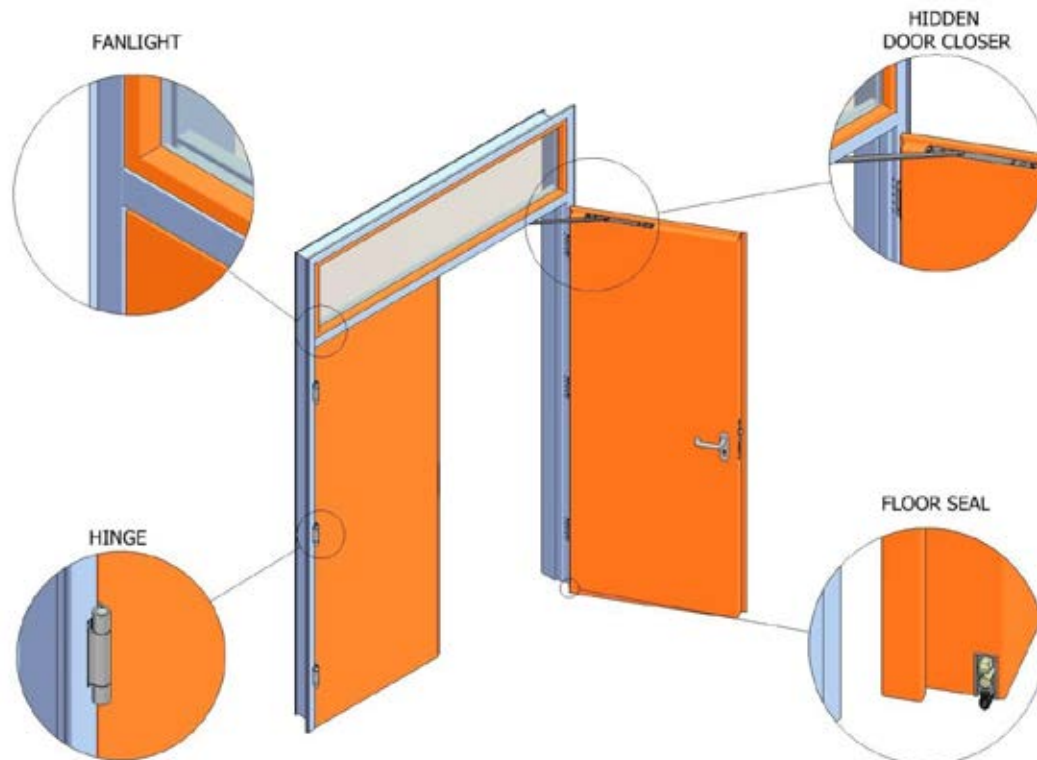
Faculty of Chemistry and Chemical Technology, Ljubljana

Possible features of KD ELEGANCE fire doors based on their intended use:

- fire resistance (EI₂30, EI₂60, EI₂90, EI₂120),
- fire glazing in leaf and/or fanlight (EI₂30, EI₂60),
- resistance to smoke leakage (S_a),
- soundproofing (39 dB),
- thermal transmittance ($U_D = 0.86 \div 1.2 \text{ W/m}^2\text{K}$),
- air permeability on contact surfaces (Class 3),
- protection against radiation (X-ray)



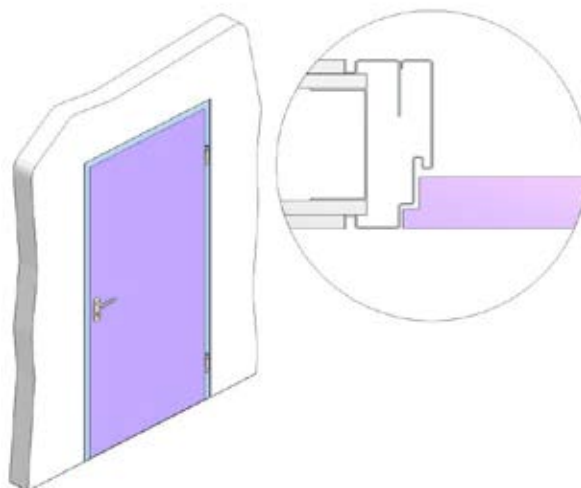
EQUIPMENT ON KD ELEGANCE DOORS



KD ELEGANCE fire doors are intended for installation at the boundaries of fire and/or smoke control sections, as well as for installation on escape routes. They are suitable for:

- entrance doors in apartments and hotel rooms,
- doors on industrial or business premises,
- doors on escape routes,
- doors on outer walls,
- doors in power stations,
- doors in facilities with special requirements (hospitals ...).

By selecting the tunnel KD frame, the KD ELEGANCE door can be installed flush with the wall.



KD ELEGANCE DOOR MODELS

KD ELEGANCE 00	Insulated metal door with a thickness of 68 mm.
KD ELEGANCE 30	Metal fire door with a fire resistance of EI₂30 , 68 mm thickness.
KD ELEGANCE 60	Metal fire door with a fire resistance of EI₂60 , 68 mm thickness.
KD ELEGANCE 90	Metal fire door with a fire resistance of EI₂90 , 75 mm thickness.
KD ELEGANCE 120	Metal fire door with a fire resistance of EI₂120 , 75 mm thickness.

The purpose of a fire door is to prevent a fire spreading from one section to another and to enable the safe evacuation of people from the building.

Determining the classification of fire doors:

- Integrity (**E**): the ability of an element to prevent the passage of flames or hot gases. When the element is exposed to fire, cracks or openings should not appear.
- Insulation (**I**): the ability of an element to prevent the excessive transition of heat by conduction. Elements must be manufactured from materials that are thermal insulators.
Insulation **I₂**: average increase in temperature is 140°C or less;
maximum increase in temperature on leaf is 180°C or less;
maximum increase in temperature on frame is 360°C or less;
- Time in minutes (**30, 60, 90, 120**), representing the time the criteria are fulfilled during the fire resistance test in accordance with the curve of a standard fire.



All KD ELEGANCE door models can be upgraded with radiation protection by special request.













All KD ELEGANCE door models can be fitted with a lead coating of an appropriate thickness, depending on the required radiation protection. KD ELEGANCE 00 doors can also be fitted with glass with an equivalent radiation protection.

ADDITIONAL EQUIPMENT

	KD E L E G A N C E 00	KD E L E G A N C E 30	KD E L E G A N C E 60	KD E L E G A N C E 90	KD E L E G A N C E 120
Face-fixed panic – SIST EN 1125					
Panic lock E – SIST EN 179	*	*	*	*	*
Panic lock E – SIST EN 1125	*	*	*	*	*
Panic lock B – SIST EN 179	*	*	*	*	*
Panic lock B – SIST EN 1125	*	*	*	*	*
Electric panic lock C – SIST EN 179	*	*	*	*	*
Electric panic lock C – SIST EN 1125	*	*	*	*	*
Electric strike with / without microswitch	*	*	*	*	*
Three-point automatic safety lock	*	*	*	*	*
Closable hinge FHX-7939-160 inox					
Door closer	*	*	*	*	*
Built-in door closer	*	*	*	*	*
Door closer with integrated electromecanic hold-open system	*	*	*	*	*
A mechanism for automatically opening and closing the door	*	*	*	*	*
Built-in magnet – contact control of door closed	*	*	*	*	*
Glazing	*	*	*		
Ventilation grid	*				
Built-in floor seal	*	*	*	*	*
Mechanical hold open	*				
Peephole	*	*	*	*	*

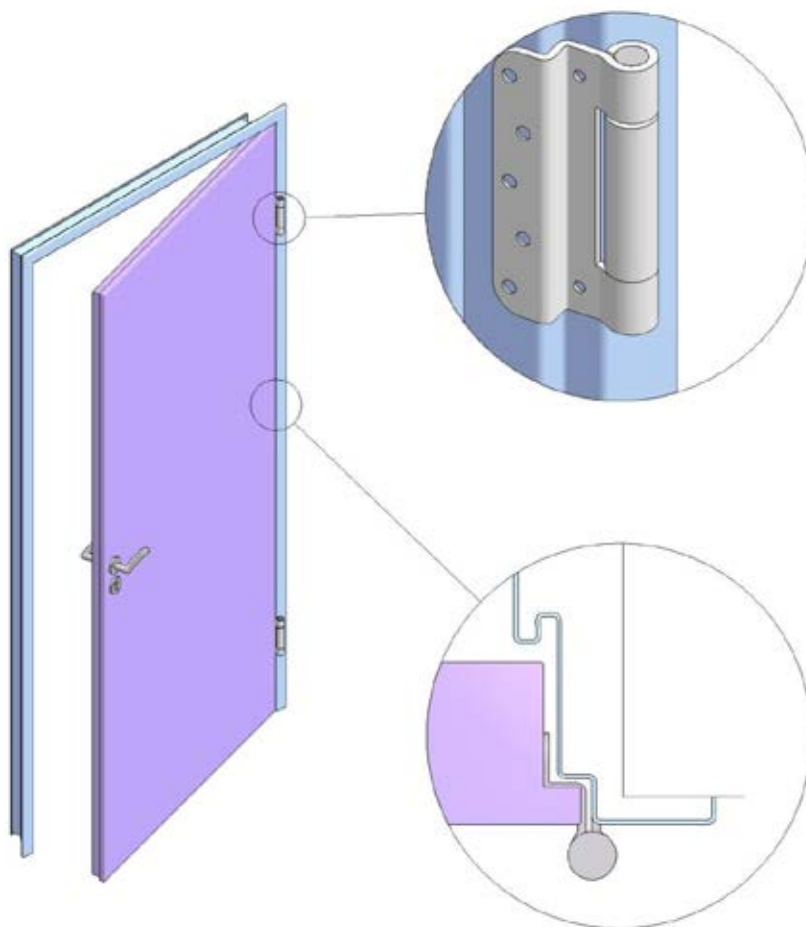
KD DOORS CAN BE COMBINED WITH METAL KD FRAMES

	KD ELEGANCE 00	KD ELEGANCE 30	KD ELEGANCE 60	KD ELEGANCE 90	KD ELEGANCE 120
	*	*	*	*	*
	*	*	*		
	*				
	*				
	*				
	*				
	*				
	*				
	*				
	*				

KD ELEGANCE 00

KD ELEGANCE 00 doors are metal doors with a thickness of 68 mm. They are suitable for indoor and outdoor use. They are filled with stone wool, so they have good thermal insulation and moisture resistance. The doors are equipped with three-part INOX hinges with an adjustable height, width, and depth.

The basic version of the KD ELEGANCE 00 door is smooth with a powder coating colour from the RAL chart.



STANDARD EQUIPMENT:

- cylinder lock,
- INOX handle on both sides,
- adjustable striking plate for lock,
- 2 three-part INOX* hinges,
- silicone seal.

* The number of hinges is determined by the size and weight of the door.

UPGRADING DOORS IN ACCORDANCE WITH THEIR INTENDED USE



The intended use of a door in a building can also be determined by the system of fittings with which it is equipped. The selected fittings determine the function of the operation of the door. See ADDITIONAL EQUIPMENT and SYSTEMS OF FITTINGS on page 84.

DIMENSIONS

KD ELEGANCE 00 DOOR LEAF MAXIMUM DIMENSIONS	
Single-leaf door	1500 x 3000 mm
Double-leaf door	3000 x 3000 mm

SECTION OF KD ELEGANCE 00 DOOR

KD ELEGANCE 00

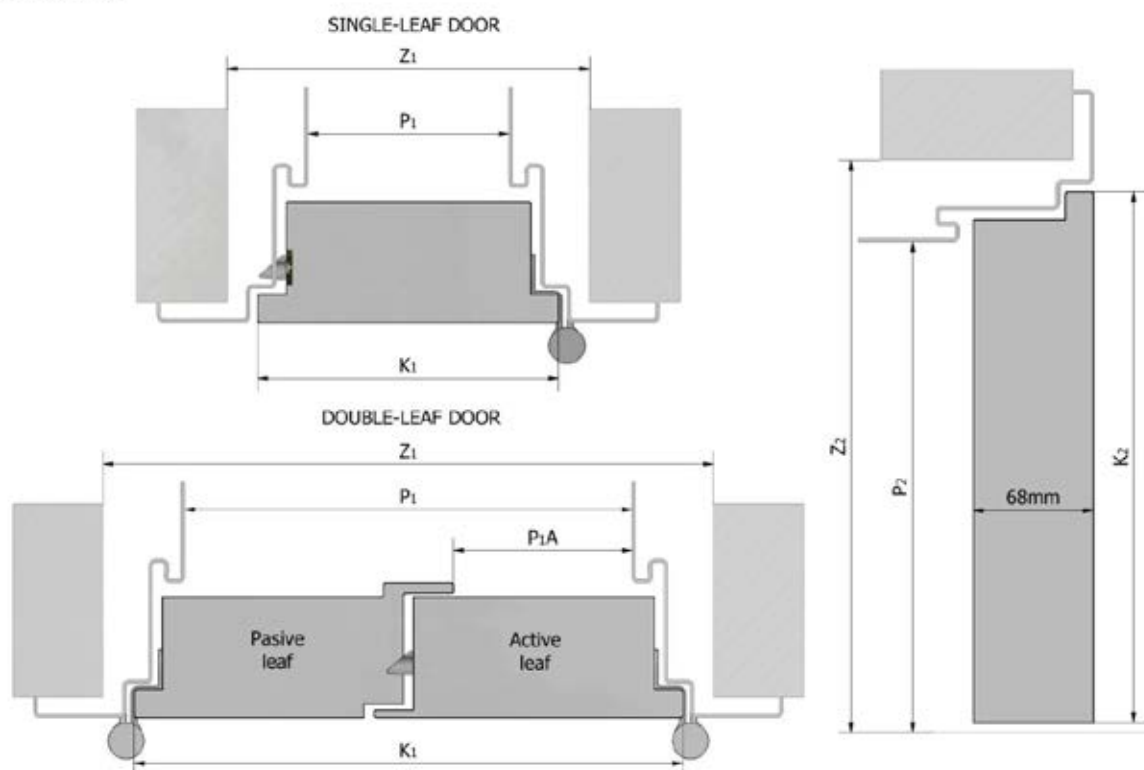


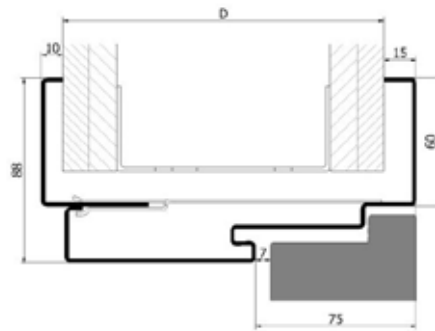
Table with example for calculating KD ELEGANCE 00 door dimensions

POSITION	P_1	K_1	Z_1	P_2	K_2	Z_2
FORMULA	/	P_1+50	P_1+120	/	P_2+20	P_2+60
DIMENSION	800	850	920	1980	2000	2040

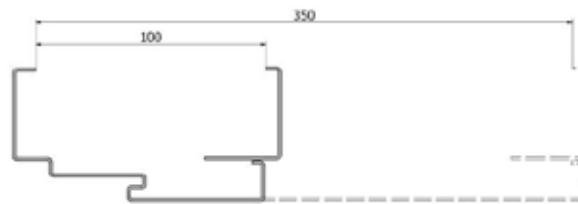
If you would like an asymmetrical double-leaf door, please determine the size of the active leaf P_{1A} in your order, otherwise we will produce a symmetrical double-leaf door.

KD ELEGANCE 00 DOORS ARE COMBINED WITH THE FOLLOWING METAL KD FRAMES

Model:	KD	SM	6	0	75
Description:	basic elegance model				

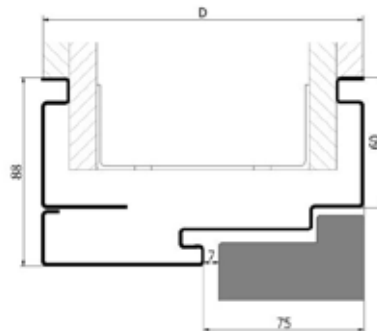


Adaptability to wall thickness:

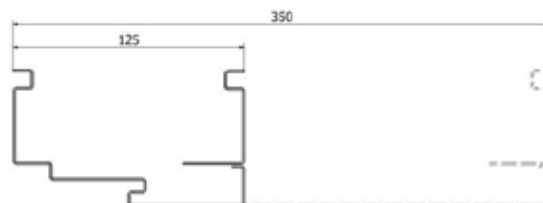


KD.SM 6 0 75 standard dimensions											
T (mm)	from to	125	150	175	200	225	250	275	300	325	350
SIDE VIEW		125	150	175	200	225	250	275	300	325	350

Model:	KD	SM	6	1	75
Description:	basic, tunnel elegance model				



Adaptability to wall thickness:

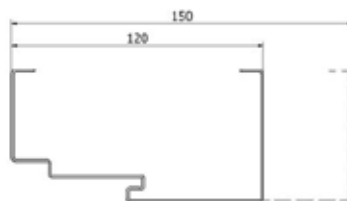


KD.SM 6 1 75 standard dimensions											
T (mm)	from to	150	175	200	225	250	275	300	325	350	
SIDE VIEW		150	175	200	225	250	275	300	325	350	

Model:	KD	SR	6	0	75
Description:	central elegance model				

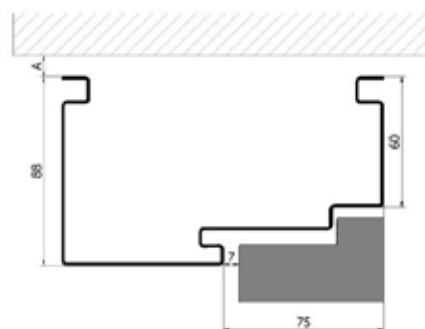


Adaptability to wall thickness:

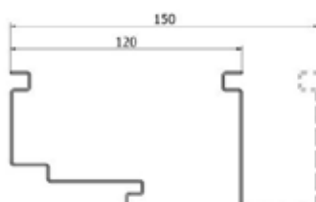


KD.SR 6 0 75 standard dimensions		
T (mm)	120	150

Model:	KD	SR	6	1	75
Description:	central, tunnel elegance model				



Adaptability to wall thickness:



KD.SR 6 1 75 standard dimensions		
T (mm)	120	150

INSTALLATION

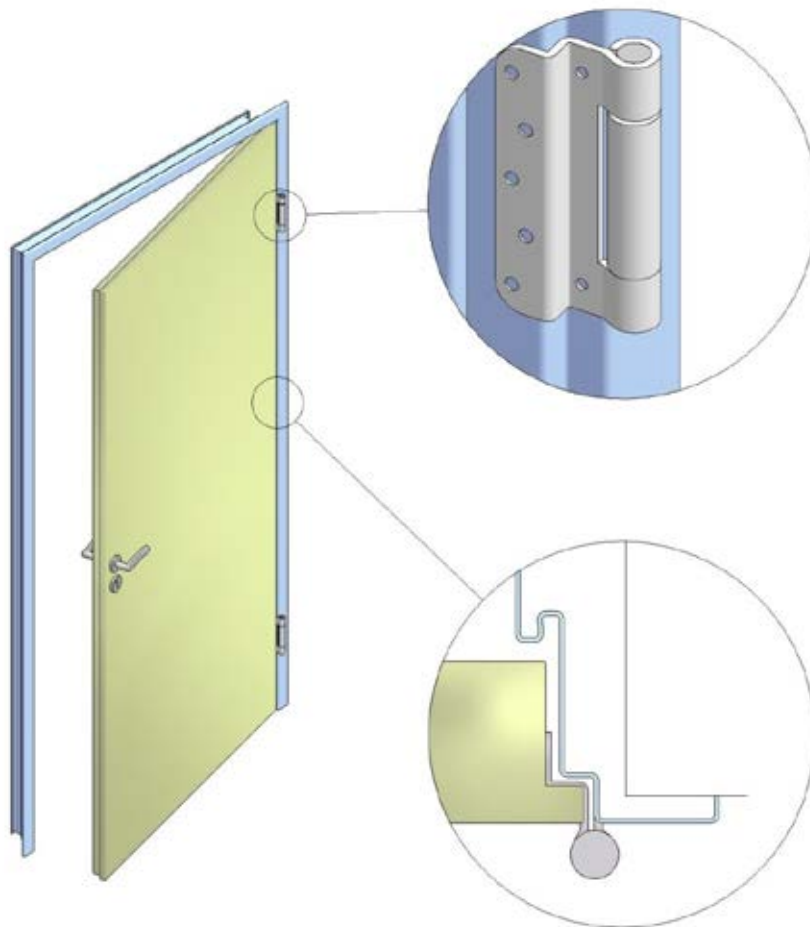


KD ELEGANCE 30 AND KD ELEGANCE 60

KD ELEGANCE 30 doors are metal fire doors with a thickness of 68 mm and an **EI₂30** classification. KD ELEGANCE 60 doors are metal fire doors with a thickness of 68 mm and an **EI₂60** classification.

Fire doors are intended for installation at the boundaries of fire and/or smoke control sections, as well as for installation on escape routes. They are suitable for indoor and outdoor use. They are installed in walls which must have an appropriate fire classification and must be properly prepared. The doors are manufactured from materials which have characteristics for good thermal insulation and moisture resistance. The doors are equipped with three-part INOX hinges with adjustable height, width, and depth. Fire doors must be equipped with door closers, which ensure that the doors are closed in the case of fire. Fire doors that are opened occasionally and are installed in rooms which may only be accessed by authorised persons, and which are intended for the inspection and servicing of equipment, may be installed without door closers, but they must be labelled with the words “FIRE DOOR, KEEP SHUT!”.

The basic versions of the KD ELEGANCE 30 and KD ELEGANCE 60 doors are smooth with a powder coating colour from the RAL colour chart.



STANDARD EQUIPMENT:

- cylinder lock,
- INOX handle on both sides,
- adjustable striking plate for lock,
- 2 three-part INOX hinges*,
- 2 x safety bolt**,
- door closer,
- silicone seal.

*The number of hinges is determined by the size and weight of the door.

**The number of bolts is determined by the height of the door.

UPGRADING DOORS IN ACCORDANCE WITH THEIR INTENDED USE



KD PREMIUM 30 and KD PREMIUM 60 metal fire doors can be equipped with fire glass in the leaf and/or fanlight. The largest possible area of glass in the leaf is 30% of the door leaf area. KD PREMIUM 30 and KD PREMIUM 60 single-leaf and double-leaf doors can be manufactured with a fanlight, provided the total maximum height of the frame is 3500 mm. Instead of a windowpane a panel with the same composition as the door leaf may be fitted in the fanlight.



KD PREMIUM 30 and KD PREMIUM 60 fire doors can be equipped with radiation protection. However, such doors cannot have any glass fitted in them.

The intended use of a door in a building can also be determined by the system of fittings with which it is equipped. The selected fittings determine the function of the operation of the door. See ADDITIONAL EQUIPMENT and SYSTEMS OF FITTINGS on page 84.

DIMENSIONS

DOOR LEAF MAXIMUM DIMENSIONS KD ELEGANCE 30 and KD ELEGANCE 60	
Single-leaf door	1500 x 3000 mm
Double-leaf door	3000 x 3000 mm

SECTION OF KD ELEGANCE 30 AND KD ELEGANCE 60 DOORS

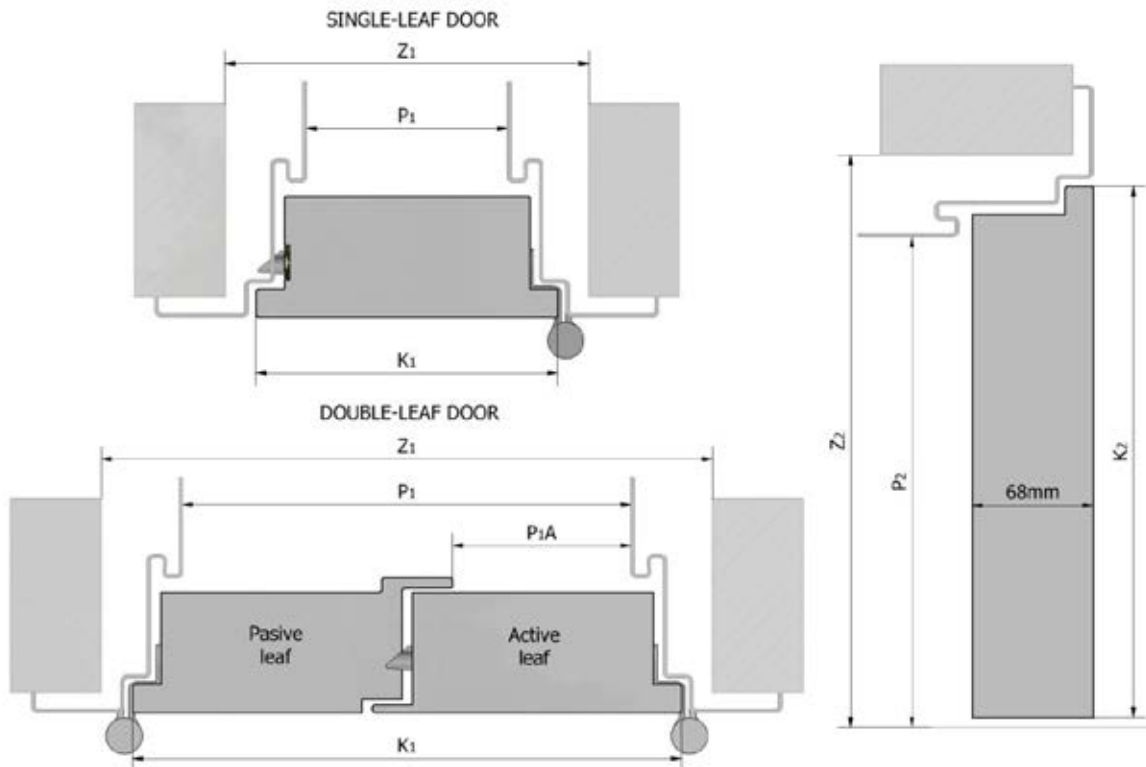


Table with example for calculating KD ELEGANCE 30 and KD ELEGANCE 60 door dimensions

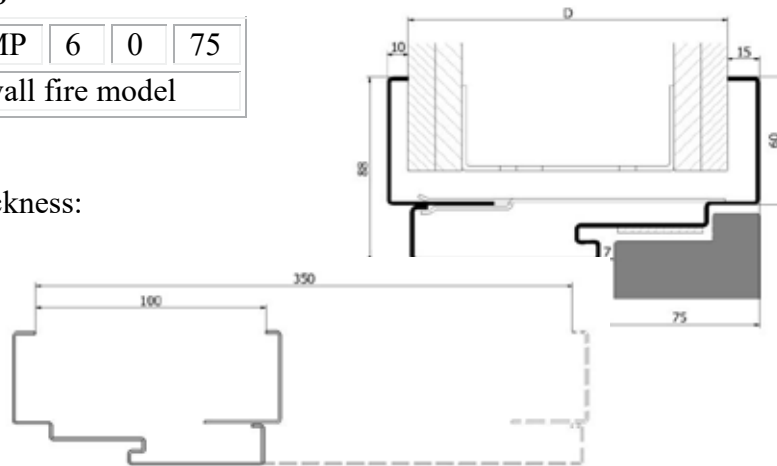
POSITION	P_1	K_1	Z_1	P_2	K_2	Z_2
FORMULA	/	P_1+50	P_1+120	/	P_2+20	P_2+60
DIMENSION	800	850	920	1980	2000	2040

If you would like an asymmetrical double-leaf door, please determine the size of the active leaf P_{1A} in your order, otherwise we will produce a symmetrical double-leaf door.

KD ELEGANCE 30 AND KD ELEGANCE 60 DOORS ARE COMBINED WITH METAL KD FRAMES

Model:	KD	SMP	6	0	75
Description:	basic drywall fire model				

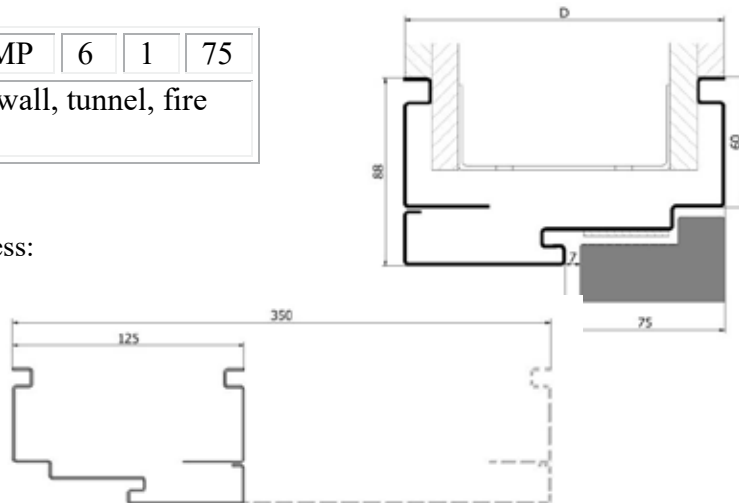
Adaptability to wall thickness:



KD.SMP 6 0 75 standard dimensions											
T (mm)	from to	125	150	175	200	225	250	275	300	325	350
		149	174	199	224	249	274	299	324	349	375
SIDE VIEW		125	150	175	200	225	250	275	300	325	350

Model:	KD	SMP	6	1	75
Description:	basic, drywall, tunnel, fire model				

Adaptability to wall thickness:



KD.SMP 6 1 75 standard dimensions											
T (mm)	from to	150	175	200	225	250	275	300	325	350	
		174	199	224	249	274	299	324	349	375	
SIDE VIEW		150	175	200	225	250	275	300	325	350	

INSTALLATION



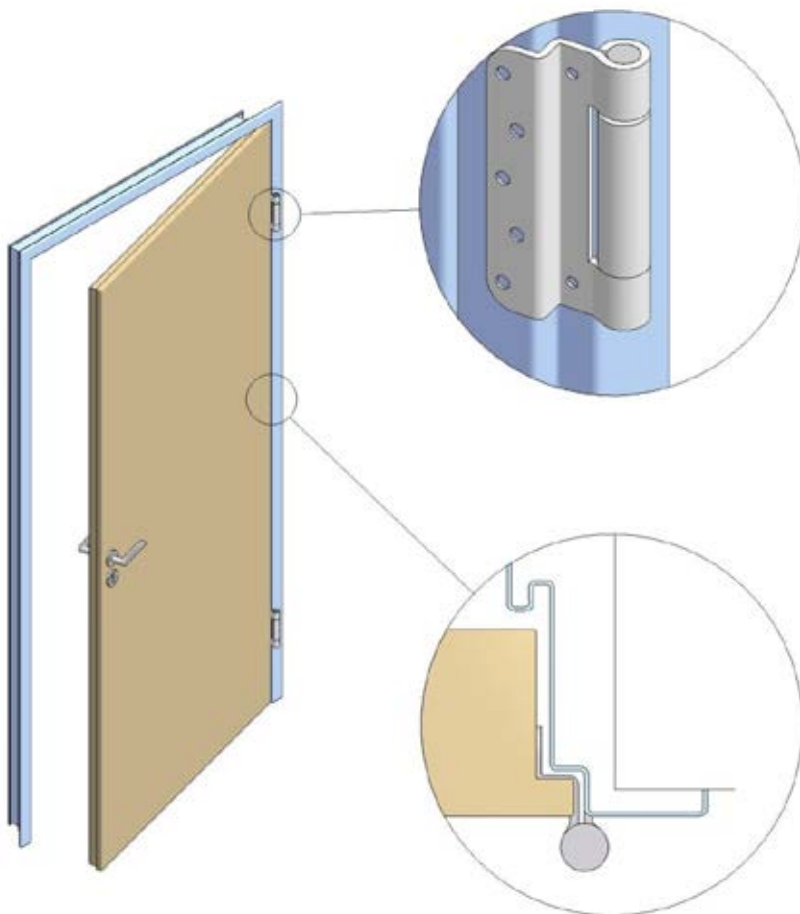
KD ELEGANCE 90 AND KD ELEGANCE 120

KD ELEGANCE 90 doors are metal fire doors with a thickness of 75 mm and an **EI₂90** classification.

KD ELEGANCE 120 doors are metal fire doors with a thickness of 75 mm and an **EI₂120** classification.

Fire doors are intended for installation at the boundaries of fire and/or smoke control sections, as well as for installation on escape routes. They are suitable for indoor and outdoor use. They are installed in walls which must have an appropriate fire classification and must be properly prepared. The doors are manufactured from materials which have characteristics for good thermal insulation and moisture resistance. The doors are equipped with three-part INOX hinges with an adjustable height, width, and depth. Fire doors must be equipped with door closers, which ensure that the doors are closed in the case of fire. Fire doors that are opened occasionally and are installed in rooms which may only be accessed by authorised persons and which are intended for the inspection and servicing of equipment may be installed without door closers, but they must be labelled with the words “FIRE DOOR, KEEP SHUT!”.

The basic versions of the KD ELEGANCE 90 and KD ELEGANCE 120 doors are smooth with a powder coating colour from the RAL colour chart.



STANDARD EQUIPMENT:

- cylinder lock,
- INOX handle on both sides,
- adjustable striking plate for lock,
- 3 three-part INOX hinges*,
- 2 x safety bolt**,
- door closer,
- silicone seal.

*The number of hinges is determined by the size and weight of the door.

**The number of bolts is determined by the height of the door.

UPGRADING DOORS IN ACCORDANCE WITH THEIR INTENDED USE



The intended use of a door in a building can also be determined by the system of fittings with which it is equipped. The selected fittings determine the function of the operation of the door. See **ADDITIONAL EQUIPMENT** and **SYSTEMS OF FITTINGS** on page 84.

SECTION OF KD ELEGANCE 90 AND KD ELEGANCE 120 DOORS

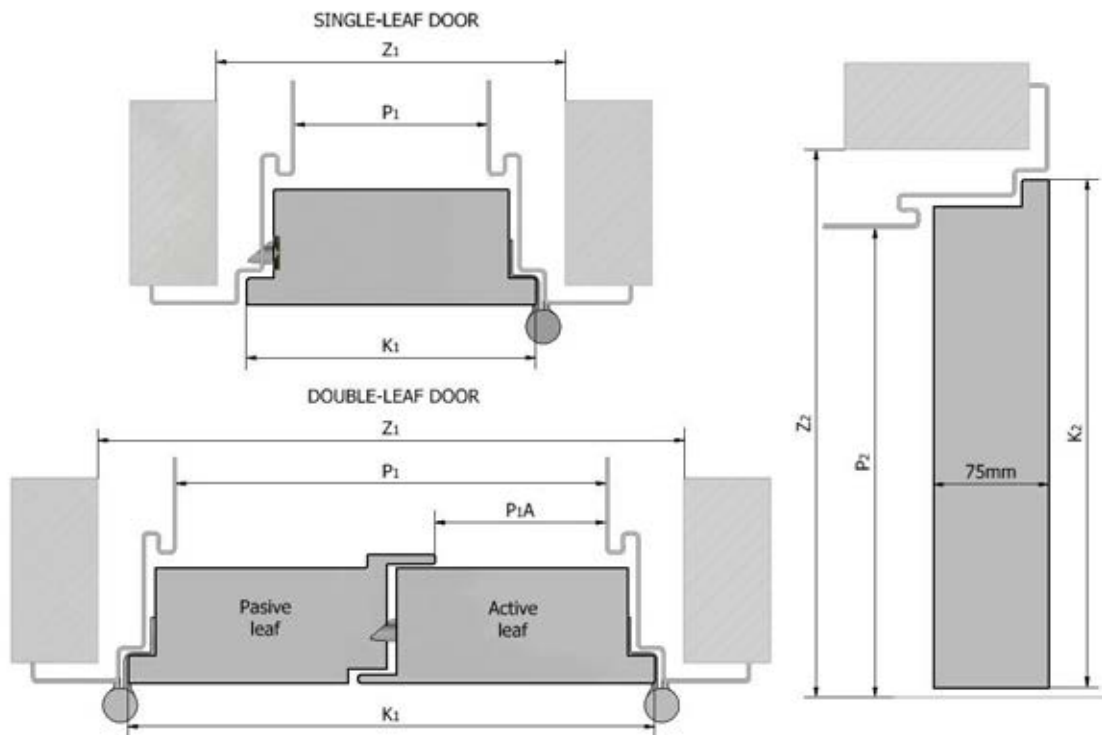


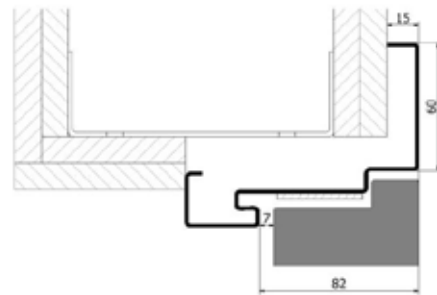
Table with example for calculating KD ELEGANCE 90 and KD ELEGANCE 120 door dimensions

POSITION	P_1	K_1	Z_1	P_2	K_2	Z_2
FORMULA	/	P_1+50	P_1+120	/	P_2+20	P_2+60
DIMENSION	800	850	920	1980	2000	2040

If you would like an asymmetrical double-leaf door, please determine the size of the active leaf P_{1A} in your order, otherwise we will produce a symmetrical double-leaf door.

KD ELEGANCE 90 AND KD ELEGANCE 120 DOORS ARE COMBINED WITH METAL KD FRAMES

Model:	KD	SMP	6	0	82
Description:	basic, drywall, fire model				

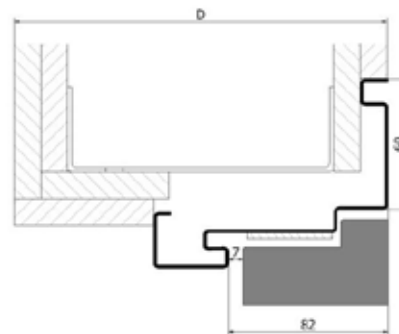


Adaptability to wall thickness:

T = minimum 150 mm

A metal border can be manufactured to compensate for the difference in wall thickness.

Model:	KD	SMP	6	1	82
Description:	basic, drywall, tunnel, fire model				



Adaptability to wall thickness:

T = minimum 150 mm


A metal border can be manufactured to compensate for the difference in wall thickness.

INSTALLATION



DOOR HARDWARE SYSTEM


PANIC LOCK B – SIST EN 179

Single-leaf door	
	
INSIDE	OUTSIDE
handle	knob

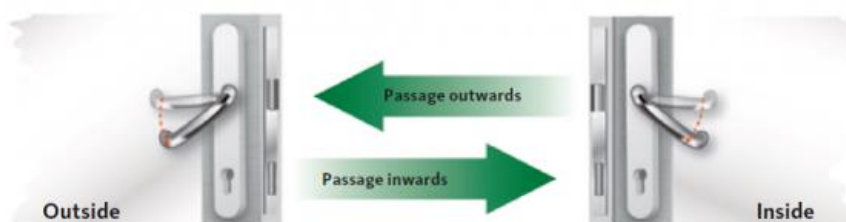
Double-leaf door	
	
INSIDE	OUTSIDE
handle	knob

PANIC LOCK B – SIST EN 1125

Single-leaf door	
	
INSIDE	OUTSIDE
panic bar	handle

Double-leaf door	
	
INSIDE	OUTSIDE
panic bar	handle

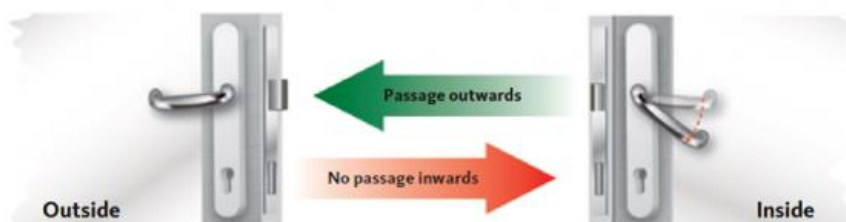
FUNCTIONAL DESCRIPTION PANIC LOCK B



Opening position

Function from inside and outside

Passage possible in both directions via the lever handle; the latch is retracted and the follower is coupled on both sides.



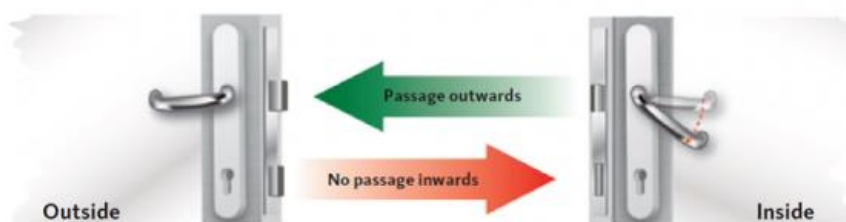
Initial position

Function from outside

Handle set to idle as the follower is decoupled. The door can only be opened by key. When the key is turned, the follower is coupled and the door can be opened with the lever handle. The follower must subsequently be set to idle again by turning the key.

Function from inside

The door can be opened in the escape direction at any time.



Locking system

With the locks of series 19 (self-locking series), the automatic latch locks automatically.

Function from outside

Handle set to idle as the follower is decoupled. The door can only be opened by key. When the key is turned, the follower is coupled and the door can be opened with the lever handle. The follower must subsequently be set to idle again by turning the key.

Function from inside

The door can be opened in the escape direction at any time.


Possible applications

The external lever handle makes the door suitable for use as a connecting door.


- Hallway doors in office buildings
- Homes for the elderly
- Secondary entrance doors
- Secondary entrance doors in kindergartens, schools and hotels

ELECTRIC PANIC LOCK C – SIST EN 179

Single-leaf door	
	
INSIDE	OUTSIDE
handle	handle

Double-leaf door	
	
INSIDE	OUTSIDE
handle	handle

ELECTRIC PANIC LOCK C – SIST EN 1125

Single-leaf door	
	
INSIDE	OUTSIDE
panic bar	handle

Double-leaf door	
	
INSIDE	OUTSIDE
panic bar	handle

FUNCTIONAL DESCRIPTION PANIC LOCK C



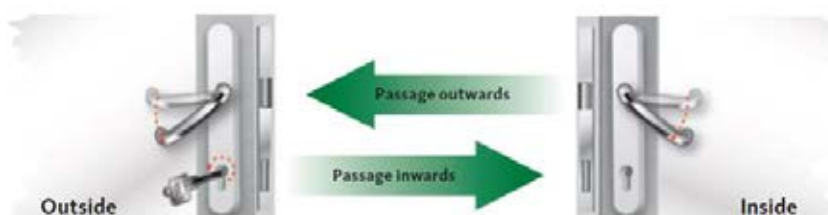
Initial position

Function from outside

Handle set to idle as the follower is decoupled. The door can only be opened by key.

Function from inside

The door can be opened in the escape direction at any time.



Opening position

Function from outside

Handle set to idle as the follower is decoupled. The door can only be opened by key. By turning the key in opening direction until stop, the follower is coupled and the door can be opened with the lever handle. When the key is withdrawn, the outside handle reverts automatically to idle.

Function from inside

The door can be opened in the escape direction at any time.



Locking system

With the locks of series 19 (self-locking series), the automatic latch locks automatically.

Function from outside

Handle set to idle as the follower is decoupled. The door can only be opened by key. By turning the key in opening direction until stop, the follower is coupled and the door can be opened with the lever handle. When the key is withdrawn, the outside handle reverts automatically to idle.

Function from inside

The door can be opened in the escape direction at any time.

Possible applications

The external lever handle makes the door suitable for use as a connecting door.


- Hallway doors in office buildings
- Homes for the elderly
- Secondary entrance doors
- Secondary entrance doors in kindergartens, schools and hotels

PANIC LOCK E – SIST EN 179

Single-leaf door	
	
INSIDE	OUTSIDE
handle	knob

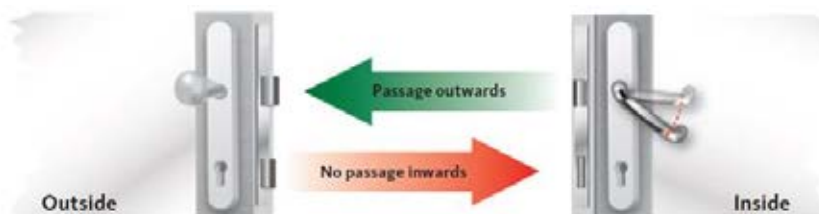
Double-leaf door	
	
INSIDE	OUTSIDE
handle	knob

PANIC LOCK E – SIST EN 1125

Single-leaf door	
	
INSIDE	OUTSIDE
panic bar	knob

Double-leaf door	
	
INSIDE	OUTSIDE
panic bar	knob

FUNCTIONAL DESCRIPTION PANIC LOCK E



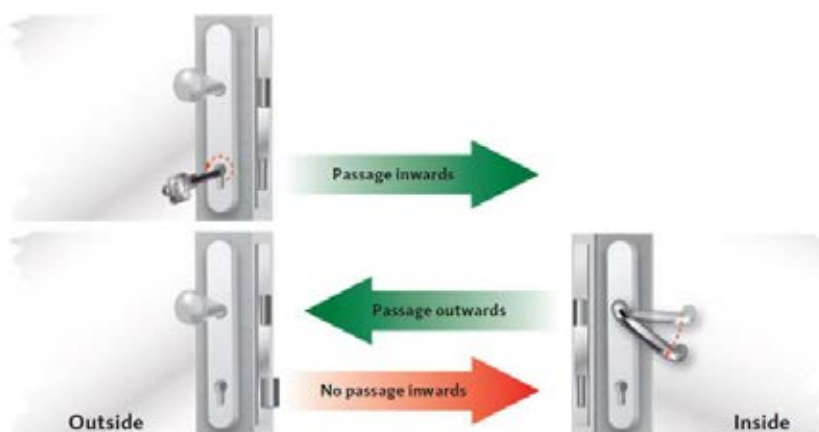
Initial position

Function from outside

Only a fixed knob or push/pull handle can be used as hardware. Door opening only by key: the latch is retracted.

Function from inside

The door can be opened in the escape direction at any time.



Locked status

Function from outside

Door opening only by key: the latch is retracted. With the locks of series 19 (self-locking series), the latchbolt locks automatically.

Function from inside

The door can be opened in the escape direction at any time.

Possible applications

As the fixed knob or push/pull handle is on the outside, access from outside is only possible using the key.

- Doors on transformer stations and boiler rooms
- Lift shafts
- Underground car parks
- Entrance to stores and business houses
- Entrance to tenements and multi-family houses

ADDITIONAL EQUIPMENT

Electric strike with / without microswitch



Three-point automatic safety lock



Door closer



Built-in door closer



Door closer with integrated electromechanic hold-open system



A mechanism for automatically opening and closing the door



Built-in magnet – contact control
of door closed



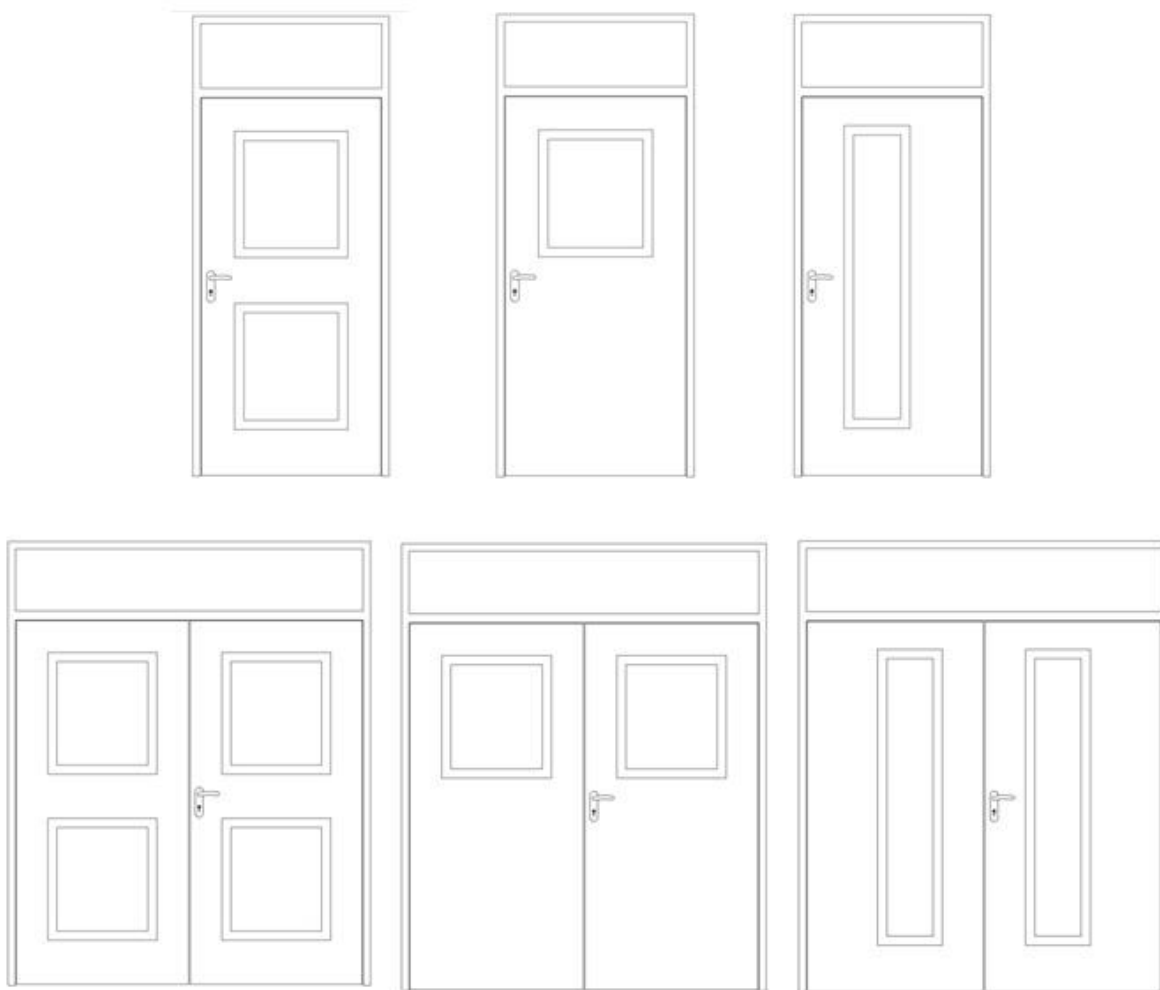
Built-in floor seal



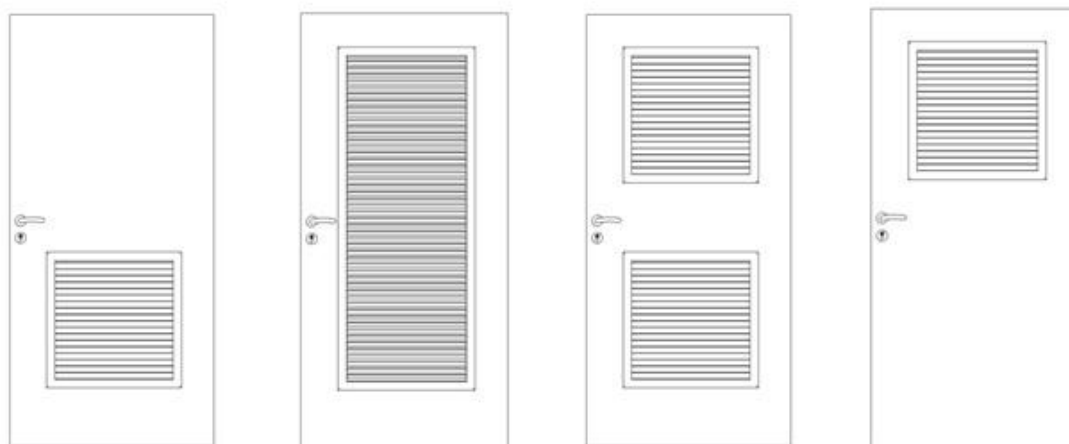
Mechanical hold open



GLAZING



VENTILATION GRID



All dimensions in the catalog are in millimeters (mm).

We reserve the right to make changes.

Any copying and publishing of the content without the consent of the company Deržič Vrata, s. p., is prohibited and contrary to the Intellectual Property Act.

