PORTA DOORS

STEEL DOOR FRAMES

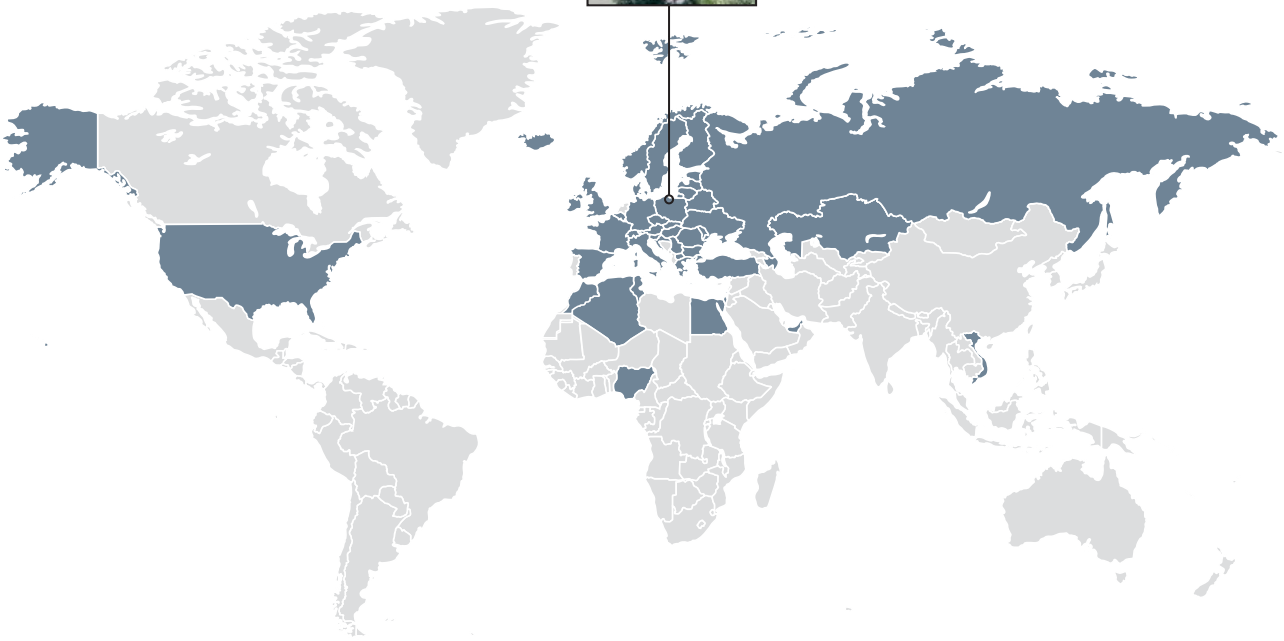
TOP QUALITY DOOR FRAMES
FROM PROFFESIONALS FOR PROFFESIONALS

Steel door frame + glass door leaf

Steel door frame + wooden door leaf

Steel door frame + steel door leaf

The Headquarters of the Group
PORTA KMI POLAND,
Bolszewo,
ul. Szkolna 54



Over 25 years of experience in door production

PORTA KMI POLAND is one of the best known and most innovative door manufacturers in Poland and abroad. For over 25 years we have produced more than 12 million door leaves and door frames.
Currently we dispose several locations of production facilities - four plants in Poland, including the most recent built in year 2016, Porta Steel Factory, and one in Romania. This allows us to offer our customers a comprehensive solution in the field of wooden and metal doors. Each month, tens of thousands of new Porta doors are sold in Poland and Europe. Our doors have been installed in many prestigious buildings designed by leading architects and designers.
Every step of the doors production process is supervised by qualified professionals, who contribute to maintain a high quality of products. The specialists of Innovation and R&D Departments continually review trends in international design, adapting them to customers' needs. Porta factories is 105 thousand m^2 of production and storage space. Porta Factory is also the synonym of modern production facilities equipped with the latest generation of machines dedicated to door leaves and door frames production, supplied by leading european manufacturers. Raw materials and other resources used in the door production process are selected with extreme precision and attention to quality. All that is being done so that our doors may decorate your home over the years.

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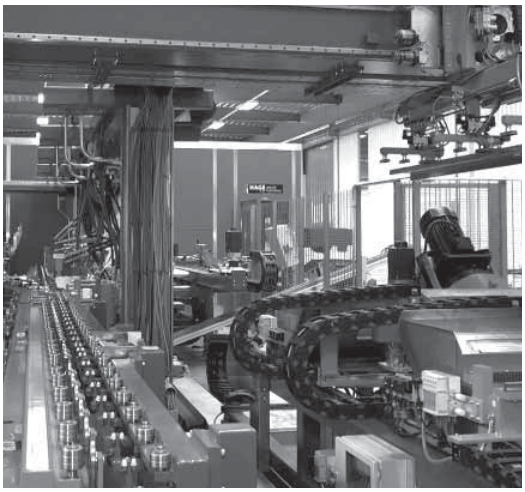
PORTA STEEL Factory



MODERN MACHINE PARK

The fully automated varnishing room and 1.5 km of hanger transport system, are only some of examples of newest Porta factory. The most modern machine park from leading European manufacturers is one of the key elements guaranteeing rarely encountered efficiency, flexibility and precision.

COMPREHENSIVE CONSULTING

An experienced team of high qualified technical advisors ensures that the client receive a product with expected parameters in compliance with standards of the building regulations. A special, dedicated offer, which meets the expectations laid down by the building main architect, is developed for investment clients.

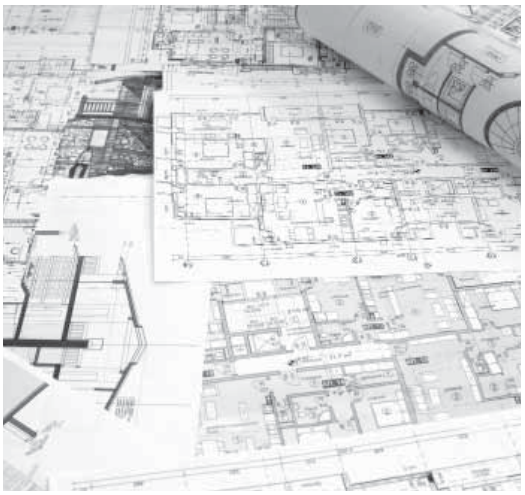
THE NEWEST AND MOST MODERN PORTA FACTORY

In year 2016 Porta company has relocated the production of steel door leaves and door frames into one of the most modern facilities in Europe which places the company among the very few companies having such a comprehensive offer. The new facility is located next to the already existing factory in Ełk City and occupies a total area of approx. 14.5 thousand m^2. The investment worth more than 70 million PLN allows to achieve not listed previously efficiency of producing one door frame per minute. The modern system of hanger transport with a length of 1.5 km reinforces 75 modern specialised machines and represent only some of Porta Steel prominent symbols.

The factory is environmentally friendly. Intelligent planning allows to fully control the waste. The unique, automated door frame production line, modern varnishing room and the whole machine park from leading european producers make Porta Steel one of the most modern factories in Europe. In addition to the door frame production, the establishment also offers a wide range of steel doors, both internal and external.

THE QUALITY AT THE TOP LEVEL

Implemented many years ago and still maintained Quality Assurance ISO 9001 system, witnessed by proper certificate is a guarantee of repeatability of PORTA products high quality, which is further confirmed by certificates of conformity issued by Building Research Institute.



BEST DESIGN ADAPTED TO THE NEEDS

The team of designers and constructors tracking current global trends, continually updates the Porta offer in this aspect. At the same time a strong emphasis is put on adapting to individual architects' needs and uniqueness of designs and technical solutions.

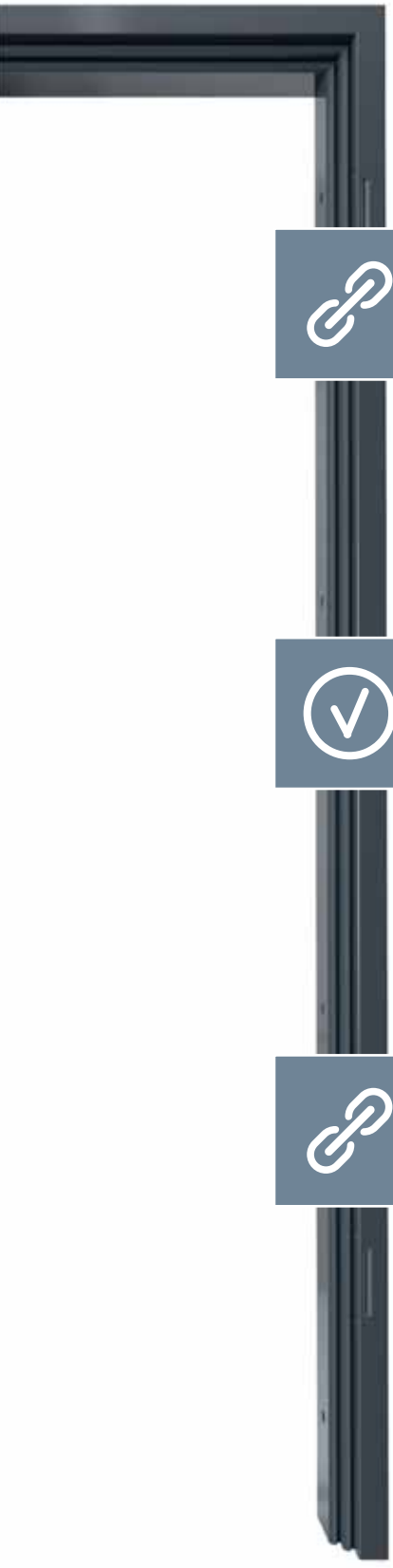
WHY PORTA DOOR FRAMES

- ADAPTING TO THE NEEDS
- WIDE OFFER
- STYLISTICS/DESIGN
- QUALITY OF PERFORMANCE
- MODERN MACHINE PARK
- FAST AND EASY ASSEMBLY
- KNOWLEDGE
- QUALITY OF SERVICE
- OPERATING PERSONNEL

10 YEAR
WARRANTY

ADVANTAGES OF METAL DOOR FRAMES

Steel door frames are widely used in houses, apartments and in places where door operating conditions require a higher resistance to loads, mechanical damages and corrosion. The use of metal materials does not preclude the creation of interesting and structurally advanced products. Well integrated door frames may constitute an architectural detail that bonds the whole interior. The precision of performance combined with a high-quality powder coating in any color, enables manufacturing of a product adapted to individual needs.



DURABILITY

- high durability confirmed with longterm warranty
- exploitation costs reduced to minimum
- high level of humidity resistance
- high quality of finishing coats
- possibility of use in internal and external doors

QUALITY

- perfect performance of each solution

DESIGN

- implementation in accordance with norms of selected country
- possibility of manufacturing in accordance with architectural project
- possibility of adaptation to users needs
- possibility of application of various coats
- efficient and quick assembly
- door frame cooperation with wooden, steel and glass door leaves

ONE DOOR FRAME, MANY POSSIBILITIES

Steel door frames may constitute a set, not only with steel but also with wooden and glass door leaves. Thanks to the wide range of finishing colors the adaptation of a door frame to the style of surroundings and to a door leaf is not a problem. Regardless of the interior and it's function, a set with a steel frame can be applied practically everywhere.

Steel door frame + Wooden door leaf

Such a set is mostly used in houses, apartments, public buildings such as train stations, airports, sport facilities, schools or theaters where high durability and resistance of a door frame is required. To keep a friendly and cosy atmosphere in the interior, a set with a solid steel door frame should be accompanied with a classic wooden door leaf.

Steel door frame + Steel door leaf

This is the most classic solution for utility rooms, technical rooms, garages, underground car parkings and basements where an additional security against damages associated with frequent use and difficult environment conditions (humidity, low temperature) is required. The set is available as internal and external doors.

Steel door frame + Glass door leaf

Glass door leaf combined with a steel door frame is a very popular choice among architects. This trend is maintained in recent years.

EXAMPLES OF METAL DOOR FRAMES USE

SHOPPING CENTRE
Steel door frame + Wooden door leaf

SCHOOL
Steel door frame + Wooden door leaf

ART CENTER
Steel door frame + Steel door leaf

SPORTS HALL
Steel door frame + Steel door leaf

SCIENCE CENTER
Steel door frame + Steel door leaf

HOTEL
Steel door frame + Wooden door leaf

ART CENTER
Steel door frame + Steel door leaf

APARTMENTS
Steel door frame + Glass door leaf

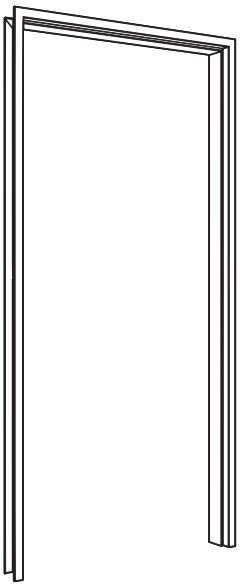
GARAGE HALL
Steel door frame + Steel door leaf

BASIC INFORMATION about steel door frames

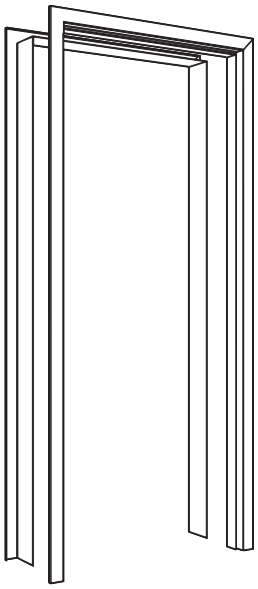
PORTA steel frames made with profile shapes of steel sheet 1.2 mm thick are intended to be used in internal interior doors or internal entrance doors. They can be used for such purpose due to the strength requirements in operating terms classified in Class 3, according to the criteria specified in the norm PN-EN 1192: 2001.

PORTA steel door frames made with profile shapes of steel sheet 1.5 ÷ 2.0 mm thick are intended to be used in external or internal entrance doors, including fire resistant doors and with increased resistance to burglary. These door frames can be used due to the strength requirements in the operating terms classified in Class 4, according to the criteria specified in the norm PN-EN 1192: 2001.

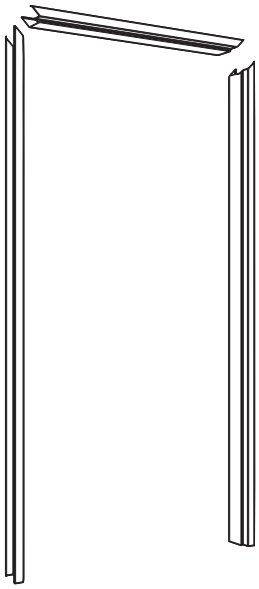
VERSIONS OF DOOR FRAMES MANUFACTURING



1- piece
(corner, angle-bar)
for masonry walls, concrete and plasterboard walls



2 - piece
(covering)
for assembly on masonry walls, concrete and plasterboard walls

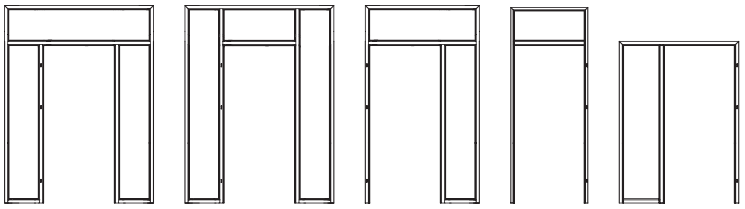


3 - piece
(angle-bar, covering)
for assembly on finished wall, easy to assembly

ASSEMBLY METHOD

Various methods of assembly allow to fit to wall and door frame type

TRANSOMS



- **Top**
- **Side**
- **Top and side**

SEALS

Made of material of high mechanical properties and good shape memory, which guarantees optimal smoke protection and sound insulation

ACCESSORIES

from main european producers (look page 36)

- **Hinges**
- **Self-closers**
  surfaced (rail, arm hidden)
- **Lock strikers**
  integrated striker plates made of stainless steel
- **Electric Strikers**
- **Electric Holders**
- **Multiple-point locking**
- **Locking for mortice multipoint locks**

DOOR FRAMES TYPES

Door frames for unrebated doors

Door frames for rebated doors

TYPES OF SHEETS IN STEEL DOOR FRAMES

- **STEEL SHEET**
  type DX51D, DX52D, DX53D hot-dip galvanised (quantity of zinc 100-275 g/m^2 according to EN 10346)

- **STEEL SHEET**
  type DX51D, DX52D, DX53D hot-dip galvanised (quantity of zinc 100-275 g/m^2 according to EN 10346), covered with varnished, organic protecting coat

- **STEEL SHEET**
  type DX51D, DX52D, DX53D hot-dip galvanised (quantity of zinc 100-275 g/m^2 according to PN-EN 10346), covered with decorative, wood-like or colored PVC foil for exterior use

- **STEEL SHEET**
  type DC01 electrolitycally galvanised (quantity of zinc 18 g/m^2 according to EN 10152)

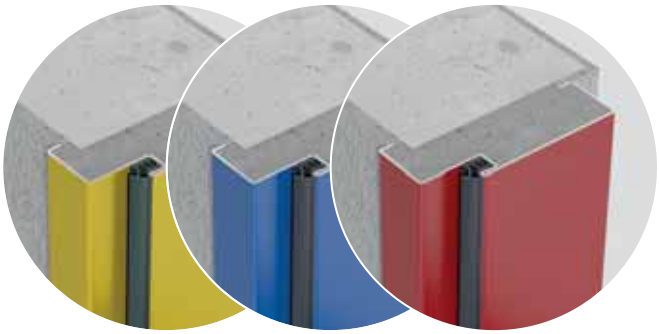
- **STEEL SHEET**
  type DC01 electrolitycally galvanised (quantity of zinc 18 g/m^2 according to 10152), covered with varnished, organic protecting coat

- **STAINLESS STEEL SHEET**
  type 1.4301/1.4307 (V2A) or 1.4404 (V4A) ACCORDING TO EN 10088

10 YEAR
WARRANTY

SELECTED COLORS
OF RAL AND NCS PALLETE

Powder painted door frames can be finished in the available **RAL** or **NCS** color and in different type of gloss (gloss, semi-gloss, matt) with increased resistance to abrasion, antibacterial, antigraffiti or antique forming the protection against corrosion for the atmosphere of the class min C3.



STANDARD COLORS INCLUDED IN OFFER

Wht RAL 9016 | Grey RAL 7047 | Cream RAL 1001 | Brown RAL 8028 | Blue RAL 5005 | Anthracite HPL/CPL | Anthracite structure RAL 7024

FINISH OF SURFACE

MATT

SEMI-MATT

GLOSS

CORNERS

WELDED
INVISIBLE CORNER LINE

Melt welded door frames are characterised by durable linking (welds, heated elements stiffening and reinforcing the construction) between vertical elements (racks) and a horizontal element (lintel); such measures improve stiffness and durability of a metal frame, which constitutes a base of the door leaf.

FOLDED OR HEATED
VISIBLE LINE OF CORNER CONNECTING

Folded door frames consist of three separated elements (two vertical - racks + one horizontal - a lintel), which are folded in a very easy way during the assembly process, to become a complete door frame. Therefore it can be packed in packets / packages which are easly and safely delivered at the assembly site. They also meet the same requirements as welded frames .

APPLICATION OF PORTA DOOR FRAMES

Thanks to our 25 years of experience, PORTA steel door frames are applied in the highest standard buildings. It will fit in often frequented residential spaces and in less frequented but exposed to greater fluctuations in temperature, humidity or to repeated mechanical damages of its surface.

THE PUBLIC BUILDINGS

Apart from the representative design of interiors of such buildings as airports, railway stations, shopping malls, doors should be made of durable materials. The use of steel door frames is an essential solution to this type of buildings. Thanks to a wide range of Porta manufacturing possibilities, a set of door with a door frame may create an impression of lightness in a solid product. A steel Porta door frame guarantees a perennial reliability in public buildings.

HOSPITALS, CLINICS, PHARMACEUTICAL COMPANIES, LABORATORIES, NURSING HOMES

It is essential that the joinery presents proper parameters in buildings where high hygiene standards are a priority for correct functioning. Steel door frames will be an optimal choice, if we wish to keep cleanness in patient rooms, examination rooms, operating rooms and in all rooms with increased humidity level.

INDUSTRIAL PLANTS, GARAGES, UTILITY ROOMS

In this type of interiors, steel door frames are the best possible solution. A complete set of doors shall meet fire insulation conditions as the mentioned locations are often used to store flammable materials. The steel, used in door frame production process proves a resistance to deformations and environmental factor's influence.

RESIDENTIAL BUILDINGS

A practical and more often selected solution for houses and apartments is solid steel door frame. It guarantees not only the safety, but also the durability for years. Modern steel door frames are used in new and older buildings which need to be renovated.

HOTELS, GUEST HOUSES

Buildings where crowds of people appear every day, dragging their luggage and hitting walls with it, require high resistance parameters' solutions. Furthermore, door sets shall fit in the interior design and architecture of hotels and guest houses. Solid Porta door frames are very easy to maintain, therefore they are perfect for rooms, passages between rooms and other often frequented rooms.

SCHOOLS, KINDERGARTENS, OFFICE BUILDINGS

Thanks to high standards in mechanical resistance and safety of Porta steel door frames, they shall meet the requirements of such areas as offices, schools and kindergartens. It is indispensable to adjust the shape of profiles to use conditions in those areas to minimalize the risk of accident and to ensure the safety of office workers, children and their guardians. In such places, steel door frames with top and side transoms are often used.

MATCH YOUR DOOR FRAME TO YOUR NEEDS

DESIGN
Match a door frame pattern to the function and style of the room.

FUNCTION
Select door frame features to rooms and buildings.

PARAMETERS
Select door frame parameters to your project's requirements.

COLOR
Match the door frame colour to the surrounding.

The set consists of wooden door leaf and steel door frame.

EXAMPLE OF DOOR FRAME'S ADJUSTMENT TO USER NEEDS USING WOODEN AND STEEL DOOR LEAVES

Door frames in various colours allow to separate kindergarten and school areas.
Additional transoms illuminate the halls in the building.

School and kindergarten complex No. 4, Tychy

CORNER DOOR FRAME PROFILES

Corner door frames are being mounted on the edge of the wall opening. Their application gives a possibility to anchor the frame on two planes, orthogonal one to another, which gives a better stability of the product in-wall installation.

Corner door frames are perfect for people searching for economical solution, where the main choice factor is the price.

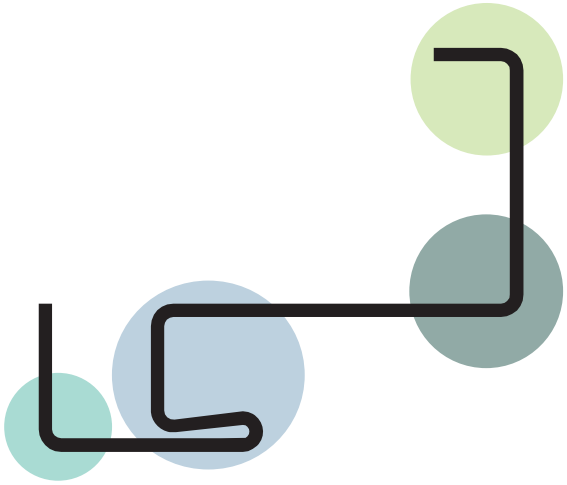
Corner door frames are offered in following versions::

- FIXED
- FOLDED

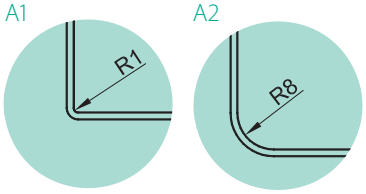
Angle-bar small door frame

CORNER DOOR FRAME PROFILES

POSSIBILITIES OF PROFILE BENDING ON EXEMPLARY DIMENSIONS

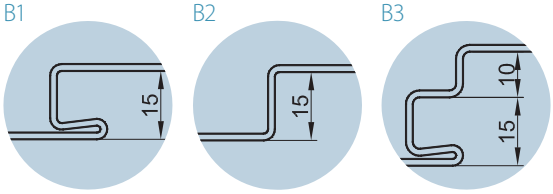


A1 A2



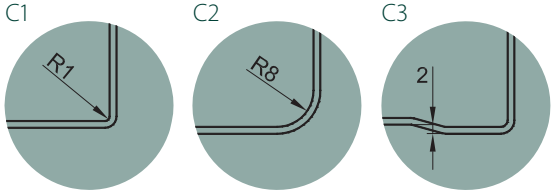
A1 – standard corner of angle-bar door frames
A2 – finishing with a larger decorative R = 8 mm arch

B1 B2 B3



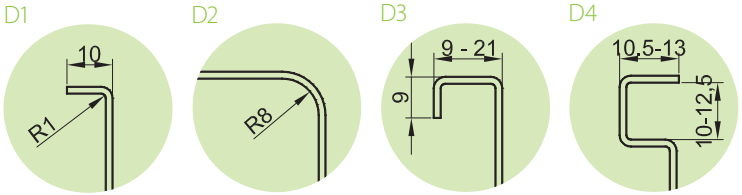
B1 – standard door frame adapted to standard plain or incombustible seal
B2 – door frame with no seal groove – doors for utility rooms
B3 – door frame dedicated to thicker door leaves, technical metal door leaves with EI60 fire-proof insulation

C1 C2 C3



C1 – standard door frame; transition with a radius from frontal lapel to the surface of the door frame cut
C2 – R = 8 mm corner dedicated to unrebated door leaves and door leaves with "R" edge
C3 – offset in the door frame cut for swelling seal in door frames with fire insulation

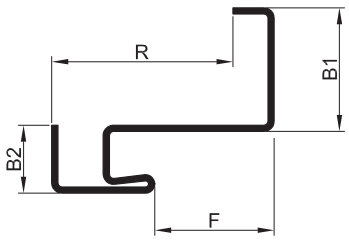
D1 D2 D3 D4



D1 – standard 10 mm finishing with a possibility of extension up to 21 mm
D2 – finishing with a larger, decorative R = 8 mm arch
D3 – finishing dedicated to assembly on finished wall with no need of extra alteration
D4 – finishing separating the wall from installed door frame in order to proceed a correct alteration for a demanded final result

CORNER DOOR FRAME PROFILES

AVAILABLE DIMENSIONS



The dimensional ranges of door frame profile

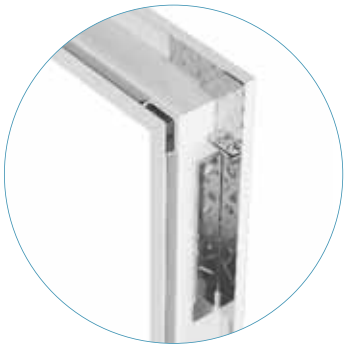
R The wall thickness range [mm]	B1 Height of a front trim [mm]	B2 Height of a rear trim [mm]	F The cut [mm]
44-400	30 - 55	16,5 - 75	29 - 65

Dimensional ranges of a door frame (overall dimension)

	Min. width [mm]	Max. width [mm]	Min. height [mm]	Max. height [mm]
Door frames for single-leaf internal doors	300	1200	500	2500
Door frames for single-leaf steel EI30 doors	565	1100	1595	2125
Door frames for single-leaf steel EI60 doors	575	1130	1670	2220

The maximum capabilities allow the production of a door frame dedicated to interior and steel EI30 doors with dimension 3400 x 2500 mm in clear opening.

FOLDED DOOR FRAME



Angle-bar small door frame
in folded version
(view from the interior of a profile)

EXEMPLARY SOLUTIONS

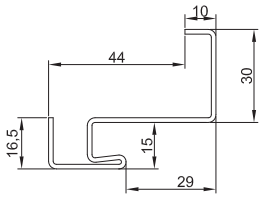
Angle-bar small door frame
with a separating bending
on front lapel

Angle-bar small
door frame

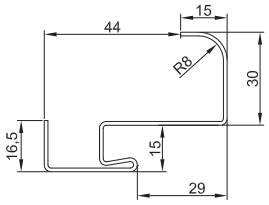
Angle-bar small door frame
with a R8 radius on front lapel

CORNER DOOR FRAME PROFILES

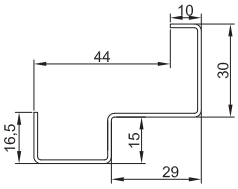
EXAMPLES OF PROFILES AND DIMENSIONS



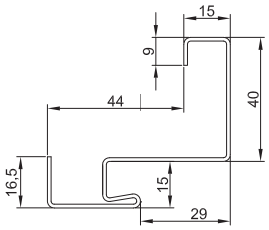
Angle-bar small door frame



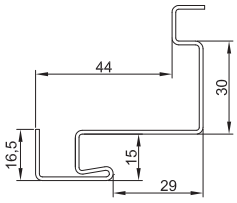
Angle-bar small door frame
with a R8 radius on front lapel



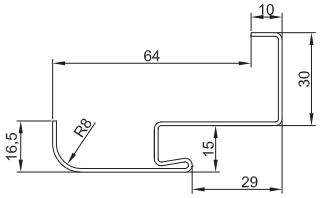
Angle-bar small door frame
with no seal bending



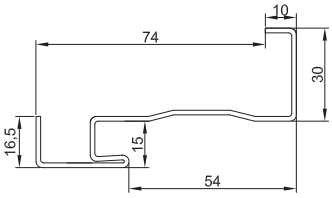
Angle-bar small door frame with
a distancing bending on front lapel



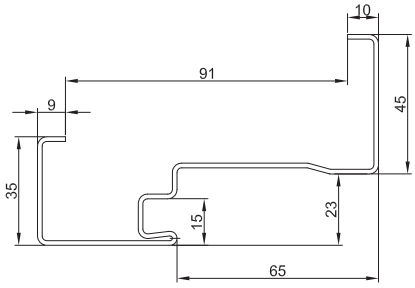
Angle-bar small door frame
with separating bending



Angle-bar small door frame
with a R8 radius on rear lapel



Fire-proof door frame adapted to
PORTA steel EI30 doors



Fire-proof door frame adapted to
PORTA steel EI60 doors

ANGLE-BAR DOOR FRAME PROFILES

Angle-bar door frame allows to hide visible wall opening surfaces installing a door frame on a wall opening edge at the same time.
Thanks to this solution there is no need of fitting the door frame to the wall thickness. In case of extremely thick walls, there is a possibility of assembling it as a corner version.

Angle-bar door frame may be assembled on any type of wall and it constitutes a very rigid load-bearing frame for a door leaf. This solution allows to improve technical parameters of the door sets like burglar resistance, fire resistance or sound insulation. All these features compose a wide range of applications in a set with a door leaf.

Angle-bar door frames are offered in following versions:

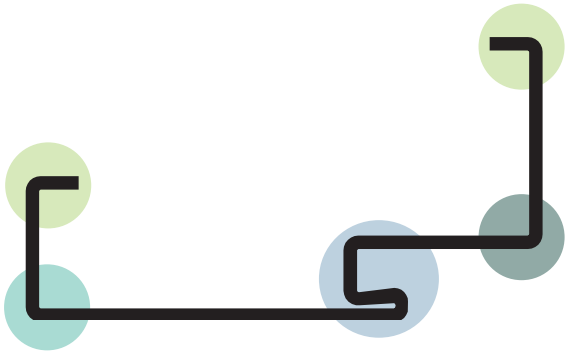
- **FIXED**
- **FOLDED**

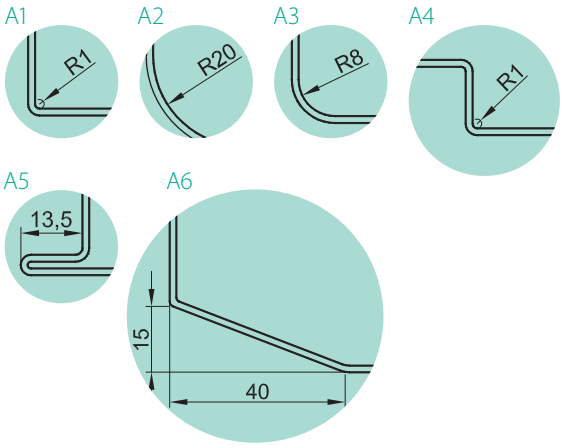
Angle-bar large door frame

ANGLE-BAR DOOR FRAME PROFILES

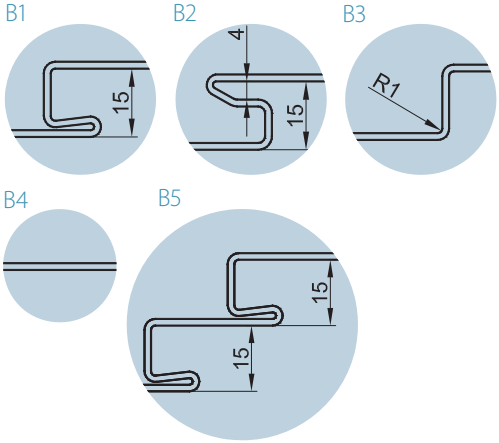
POSSIBILITIES OF PROFILE BENDING ON EXEMPLARY DIMENSIONS

The angle-bar profile of a door frame allows the use of many unique configurational features which contribute to create a door frame adapted to customers' requirements, in terms of functionality and aesthetics.
Picture presents precisely the most important features.

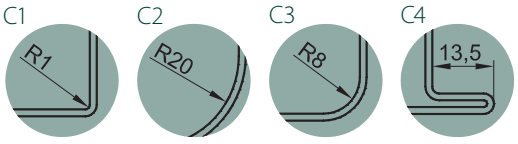




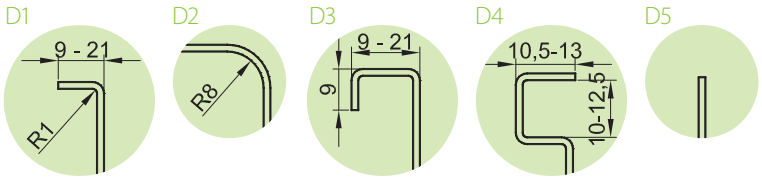
A1 – standard corner of angle-bat door frames
A2 – R = 20 mm corner, large visual effect
A3 – R = 8 mm corner, small visual effect
A4 – door frame with no seal groove – dedicated to swinging doors
A5 – corner of "hidden door frame"
A6 – corner with a chamfer, used f.ex. in hospital door frames



B1 – standard door frame dedicated to standard plain or incombustible seal
B2 – door frame adapted to S6586 seal, dedicated to technical door leaves of EI60 fire resistance
B3 – door frame with no seal groove – dedicated to swinging doors
B4 – door frame in tunnel version
B5 – door frame with two seals, dedicated to doors with acoustic insulation parameters



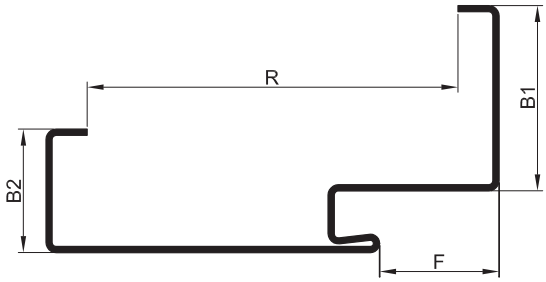
C1 – standard manufacturing, transition by a radius from frontal lapel to the surface of the cut of a door frame
C2 – extending a corner radius to R20, upgraded visual effect – for unrebated door leaves
C3 – a corner with R = 8 mm for unrebated door leaves and door leaves with "R" edge
C4 – a corner of "hidden door frame"



D1 – profile finishing allowing the assembly on a wall with a lapel distant from a wall surface by 9 - 21 mm
D2 – finishing with a decorative, larger R = 8 mm arch
D3 – profile finishing dedicated to assembly on finished wall with no need of extra alteration
D4 – profile finishing separating the wall from installed door frame in order to proceed a correct alteration for a demanded final result
D5 – finishing in "hidden door frame" in plasterboard construction wall coverings

ANGLE-BAR DOOR FRAME PROFILES

AVAILABLE DIMENSIONS



The dimensional ranges of door frame profile

R The wall thickness range [mm]	B1 Height of a front trim [mm]	B2 Height of a rear trim [mm]	F The cut [mm]
53 – 480	30 – 55	15 – 75	29-65

R can be smaller or equal comparing to wall thickness

Dimensional ranges of a door frame (overall dimension)

	Min. width [mm]	Max. width [mm]	Min. height [mm]	Max. height [mm]
Door frames for single-leaf doors	300	1200	500	2500
Door frames for double-leaf doors	900	2400	500	2500

The maximum capabilities allow the production of a door frame with dimension 3400 x 2500 mm in clear opening

FOLDED DOOR FRAME

Angle-bar large door frame
folded three-part screwed version
(view from the interior of the profile)

EXEMPLARY SOLUTIONS

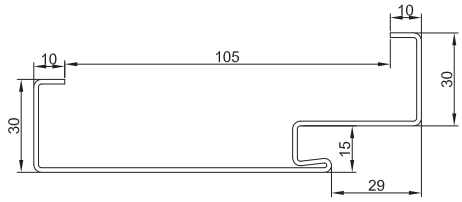
Hidden door frame

Hospital door frame

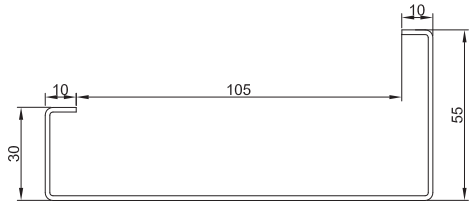
Double-rebate door frame

ANGLE-BAR DOOR FRAME PROFILES

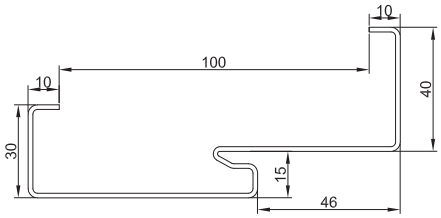
EXAMPLES OF PROFILES AND DIMENSIONS



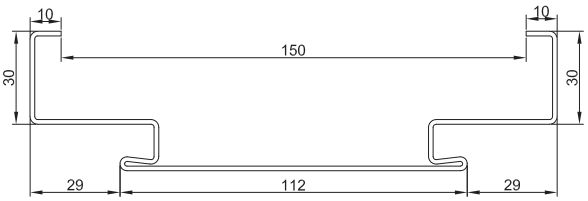
Angle-bar large door frame



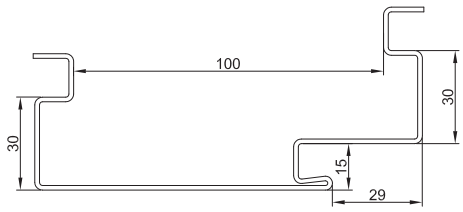
Door frame in a tunnel version



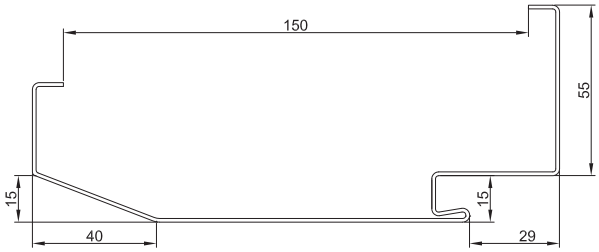
Fire-resistance door frame adapted to PORTA wooden EI60 door leaves



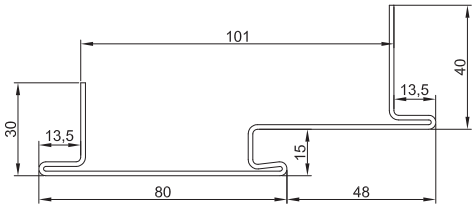
Hotel door frame



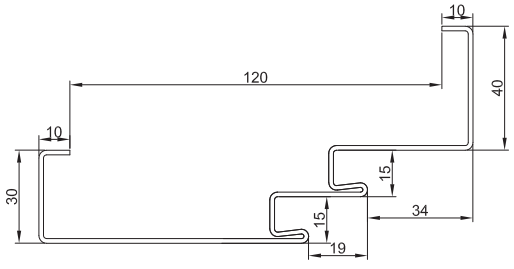
Angle-bar door frame with separating bending



Hospital door frame



Hidden door frame



Double-rebate door frame adapted to wooden 42 dB/EI 30 door leaves

Adjustable PS door frame

COVERING DOOR FRAME PROFILES

The main advantage of covering door frames is its construction which allows to cover the entire thickness of a wall with the profile. As a result, the assembly of covering door frame can be proceeded on a finished wall.

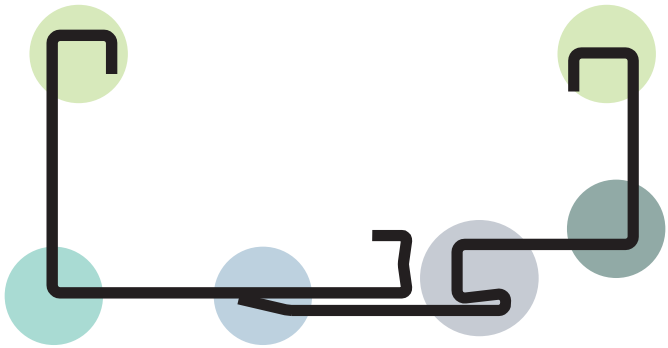
Installation of this type of door frames guarantees a quick final esthetic result. Fixed frames require precise fit, while the covering door frames in adjustable version allow to adapt to the deviations between the predicted and actual wall thickness of up to 2.5 cm.

Covering door frames are offered in following versions:

- ADJUSTABLE
- FIXED

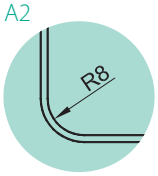
COVERING DOOR FRAME PROFILES

POSSIBILITIES OF PROFILE BENDING ON EXEMPLARY DIMENSIONS



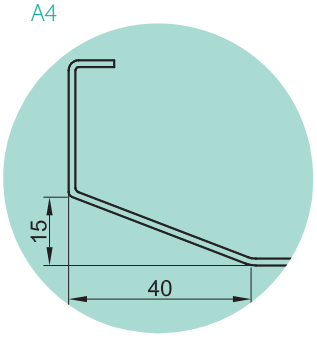
A1

A2



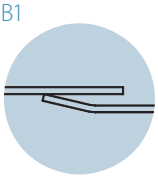
A3

A4

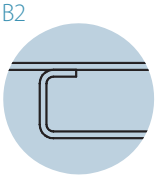


A1 – standard R = 20 mm corner in adjustable door frame with R profile
A2 – R = 8 mm corner to be used in adjustable and adjustable PS door frames – different visual result
A3 – standard corner in adjustable PS door frames
A4 – corner with a chamfer used f. ex. in hospital door frames

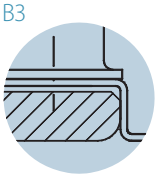
B1



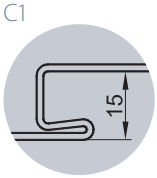
B2



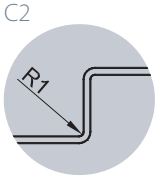
B3



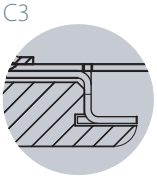
C1



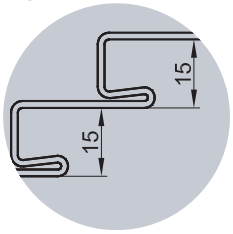
C2



C3



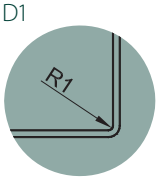
C4



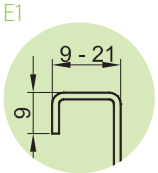
B1 – standard joining of load-bearing profile with additional architrave in adjustable door frame with R profile
B2 – standard joining of load-bearing profile with additional architrave in PS adjustable door frame
B3 – standard connection of metal load-bearing profile with additional wooden architrave in Project Profile door frame

C1 – standard door frame dedicated to standard plain or incombustible seal
C2 – PS adjustable door frame with no seal groove in a tunnel version
C3 – Project Premium door frame in a set of metal and wooden elements (load-bearing capacity and door frame natural wood look)
C4 – door frame with two seals dedicated to doors with acoustic insulation parameters

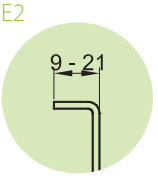
D1



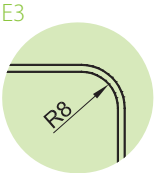
E1



E2



E3

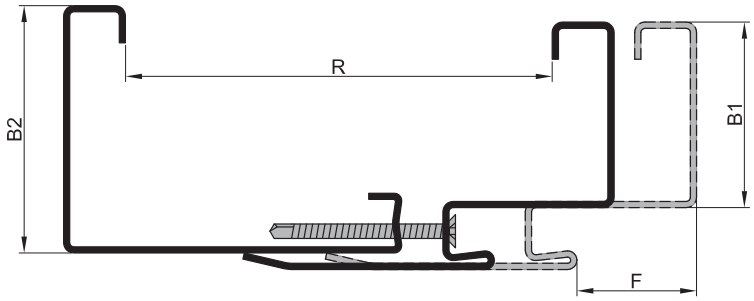


D1 – standard door frame, transition from a frontal lapel to the surface of the door frame cut

E1 – standard finishing with possibility of extension up to 21 mm
E2 – same finishing as in angle-bar door frames
E3 – finishing with decorative R = 8 mm arch as in angle-bar door frames

COVERING DOOR FRAME PROFILES

CONSTRUCTION OPTIONS



Adjustment of the door frame range up to 25 mm

Dimensional ranges of door frame profile

R The wall thickness range [mm]	B1 Height of a front trim [mm]	B2 The height of a rear trim [mm]	F The cut [mm]
95 - 480	45 - 55	60 - 75	29-45

Dimensional ranges of a door frame (overall dimension)

	Min. width [mm]	Max. width [mm]	Min. height [mm]	Max. height [mm]
Door frames for single-leaf doors	300	1200	500	2500
Door frames for double-leaf doors	900	2400	500	2500

The maximum capabilities allow the production of a door frame with dimension 3400 x 2500 mm in clear opening

EXEMPLARY SOLUTIONS

Adjustable door frame with R profile

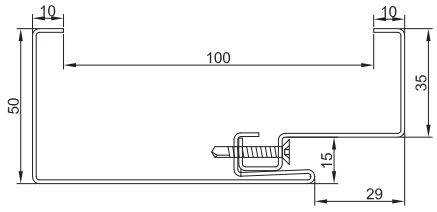
Project door frame

Adjustable PS door frame with sharp edges

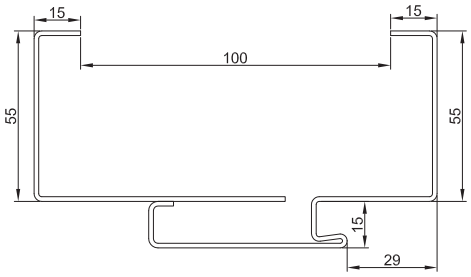
COVERING DOOR FRAME PROFILES

EXAMPLES OF PROFILES AND DIMENSIONS

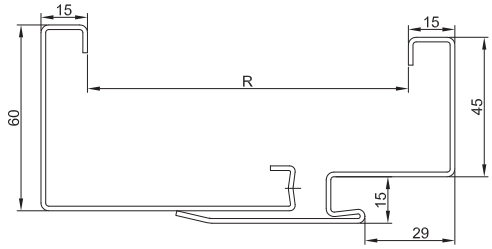
Adjustable door frames allow to compensate the differences between predicted and actual wall thickness up to 25 mm.



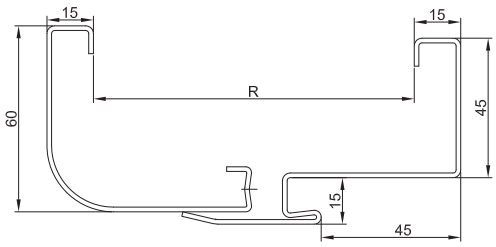
Fixed two-piece door frame



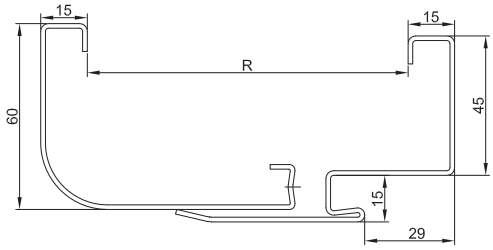
Adjustable PS door frame with sharp edges



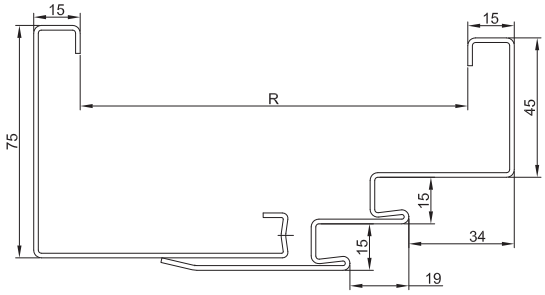
Adjustable door frame
with sharp edges



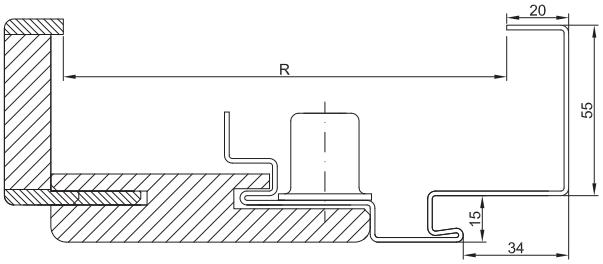
Adjustable door frame with R
dedicated to unrebated doors



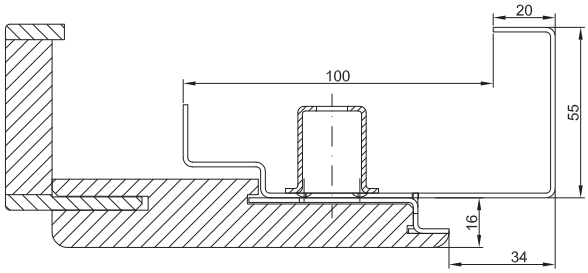
Adjustable door frame
with an arch



Adjustable door frame adapted to
PORTA 42 dB doors

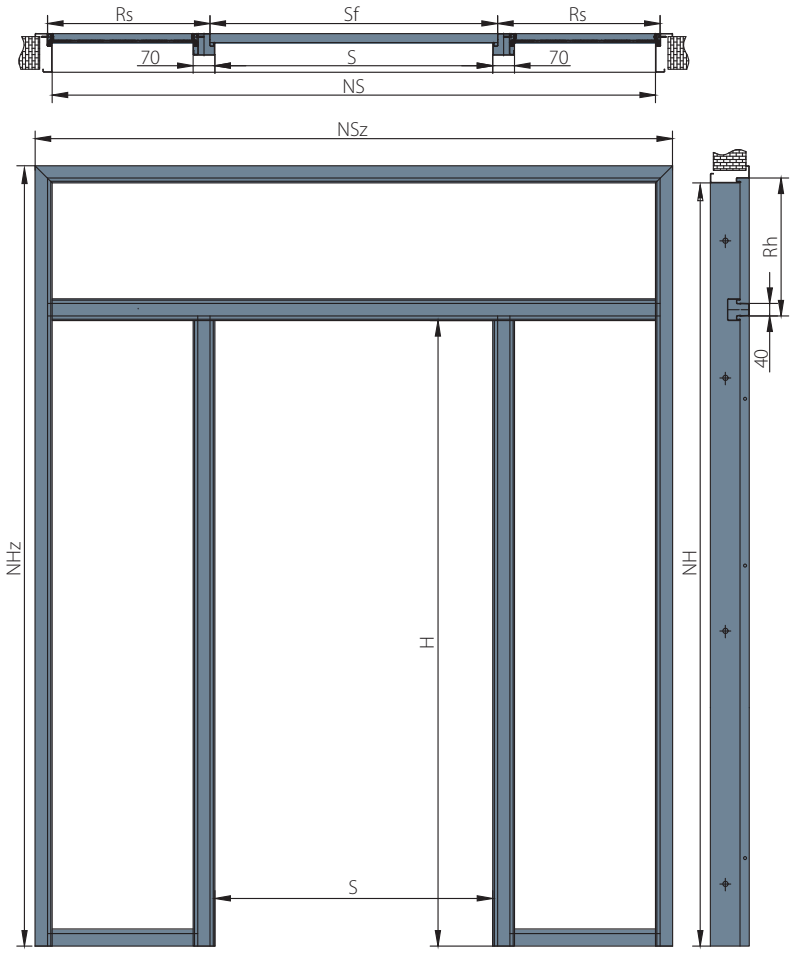


Adjustable Project door frame



Adjustable Project Premium door frame

TRANSOMS



LEGEND

H - clear height of a door frame
NH - clear height of a transom
NHz - total height of a transom (including architraves)
Rh - extension of the height (crossbar + glazing)
S - clear opening width
Sf - the width in rebate of a door frame
NS - clear opening width including side transom
NSz - total width of a transom (including architraves)
Rs - extension of the width (crossbar + glazing)

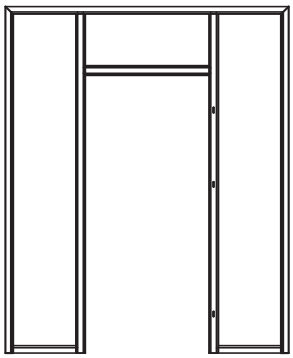
TRANSOMS

Transoms made on the same profile system are a perfect complement to the metal door frame offer.
Transoms in a simple and functional way illuminate a room separated by a wall or separate rooms keeping visual communication between them. Such solutions are often used in office buildings, hospitals, schools. Modern Porta machine park allows us to produce metal transoms in many configurations of separated and integrated transoms with a door frame. Integrated transoms are offered in one of top transom variants, left and right side transom or in all in one variant.

Dimensional ranges of transoms (overall dimension)

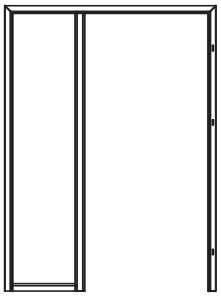
	Min. width [mm]	Max. width [mm]	Min. height [mm]	Max. height [mm]
Door frames for single-leaf doors	950	2200	2070	3000
Door frames for double-leaf doors	950	2200	2070	3000

EXEMPLARY TRANSOMS

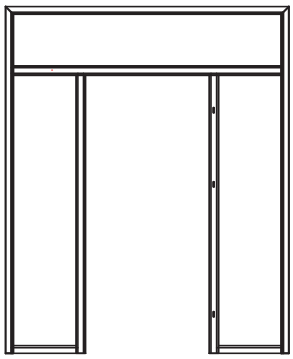


Top and two-sides transom
version 1

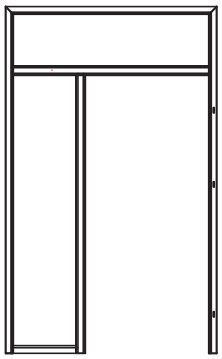
Top
transom



Side transom
(right / left)



Top and two-sides transom
version 2

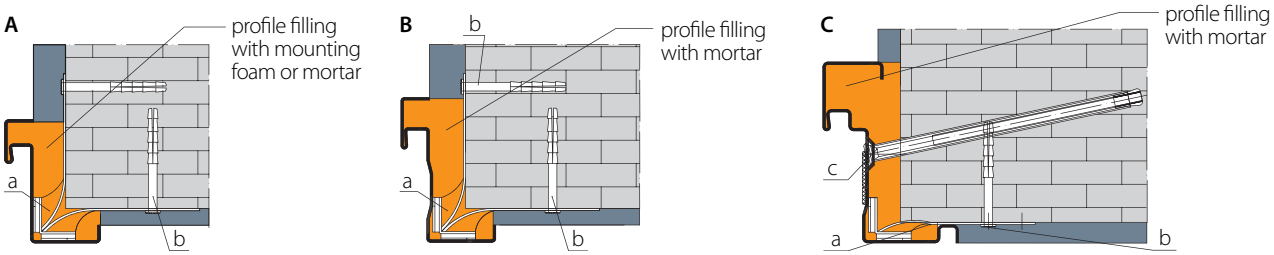


Top and single side transom
(right / left)

DOOR FRAME ASSEMBLY METHODS

CORNER DOOR FRAMES

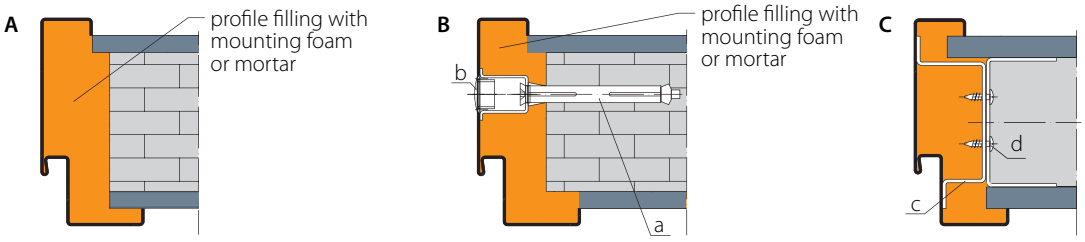
METHODS OF ANCHORING CORNER STEEL DOOR FRAMES



a) assembly with deflected anchors [a] and expansion bolts [b] (angle-bar small door frames)
b) assembly with deflected anchors [a] and expansion bolts [b] (fire-proof door frames)
c) assembly with deflected anchors [a], expansion bolts [b] (fire-proof door frames) and mounting dowels [c]

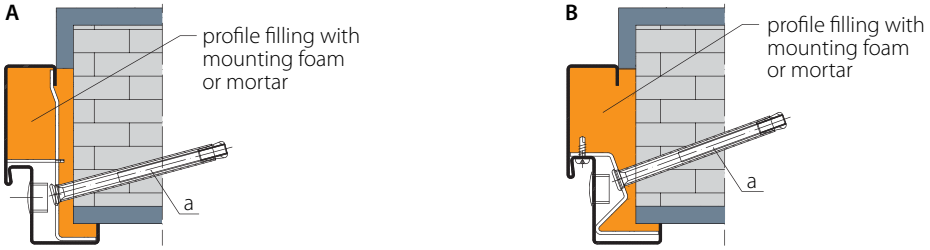
ANGLE-BAR DOOR FRAMES

METHODS OF ANCHORING ANGLE-BAR AND FOLDED STEEL INTERIOR DOOR FRAMES



a) assembly with mounting foam only or mortar (no anchors)
b) assembly with metal dowels [a] (plugs made of PVC [b])
c) assmebly on plasterboard wall (anchors, [c] self-drilling screws [d])

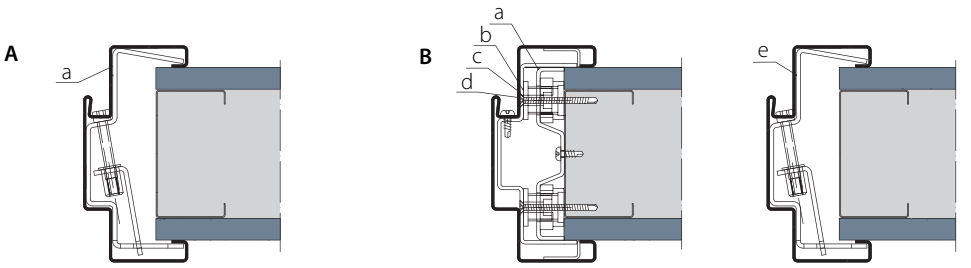
METHODS OF ANCHORING STEEL FOLDED ENTRANCE DOOR FRAMES



a) assembly of ROMA Standard folded door frames with metal dowels [a] and mouting foam or mortar
b) assemby of PORTA SAFE folded door frames with metal dowels [a] and mounting foam or mortar

COVERING DOOR FRAMES

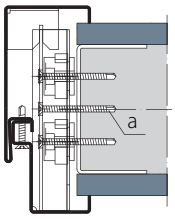
METHODS OF ANCHORING STEEL COVERING FOLDED INTERIOR DOOR FRAMES



A. Method of anchoring to light door leaves
a) assembly on plasterboard wall with clamping anchors [a] bolted with screws

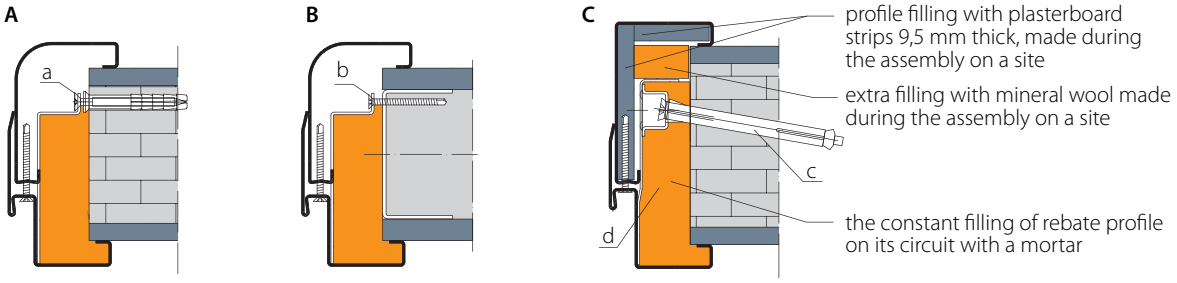
B. method of anchoring to heavy door leaves
a) assembly of an anchor on plasterboard wall [a] with self-drilling screw
b) regulation of the dimension and the vertical with regulating elements [b]
c) fastening of second part of an anchor [c] and bolting with self-drilling screws
d) installing a door frame stand [d] and screwing in rebate with self-drilling screws
e) screwing of clamping anchors [e] with screws

METHODS OF ANCHORING STEEL COVERING FIXED DOOR FRAMES ON PLASTERBOARD WALL (S.C. DRY ASSEMBLY)



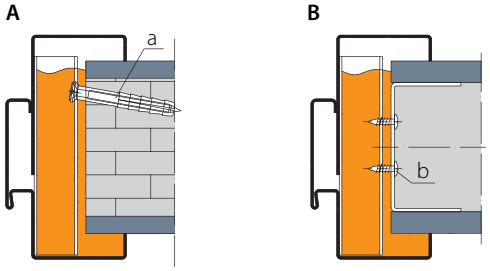
Assembly on plasterboard wall with self-drilling screws [a] (s.c. dry assembly).

METHODS OF ANCHORING STEEL ADJUSTABLE DOOR FRAMES WITH R PROFILE



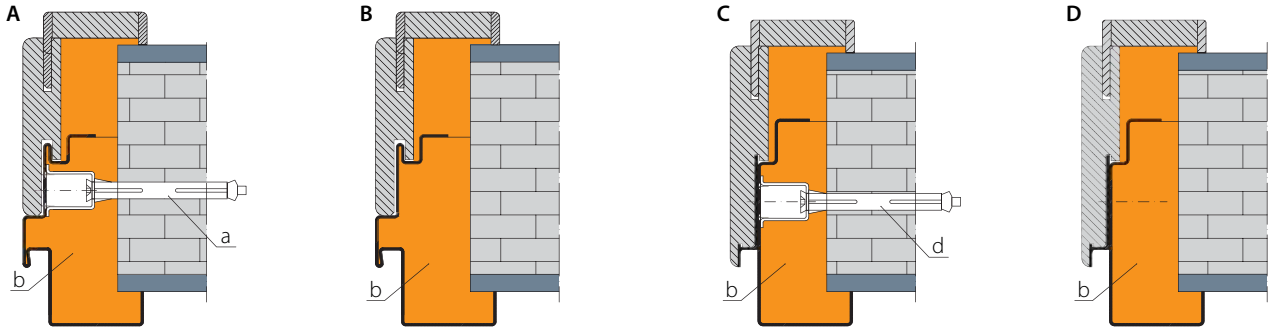
a) assembly on masonry wall with expansion bolts [a] and mounting foam
b) assembly in plasterboard wall with self-drilling screws [b] and mounting foam
c) assembly of technical door frames in masonry wall with metal dowels [c] and mortar [d]

METHODS OF ANCHORING STEEL ADJUSTABLE PS DOOR FRAMES WITH SHARP EDGES



a) assembly in masonry wall with expansion bolts [a] and mounting foam
b) assembly in plasterboard wall with self-drilling screws [b] and mounting foam

METHODS OF ANCHORING STEEL DOOR FRAMES OF PROJECT / PROJECT PREMIUM PROFILE

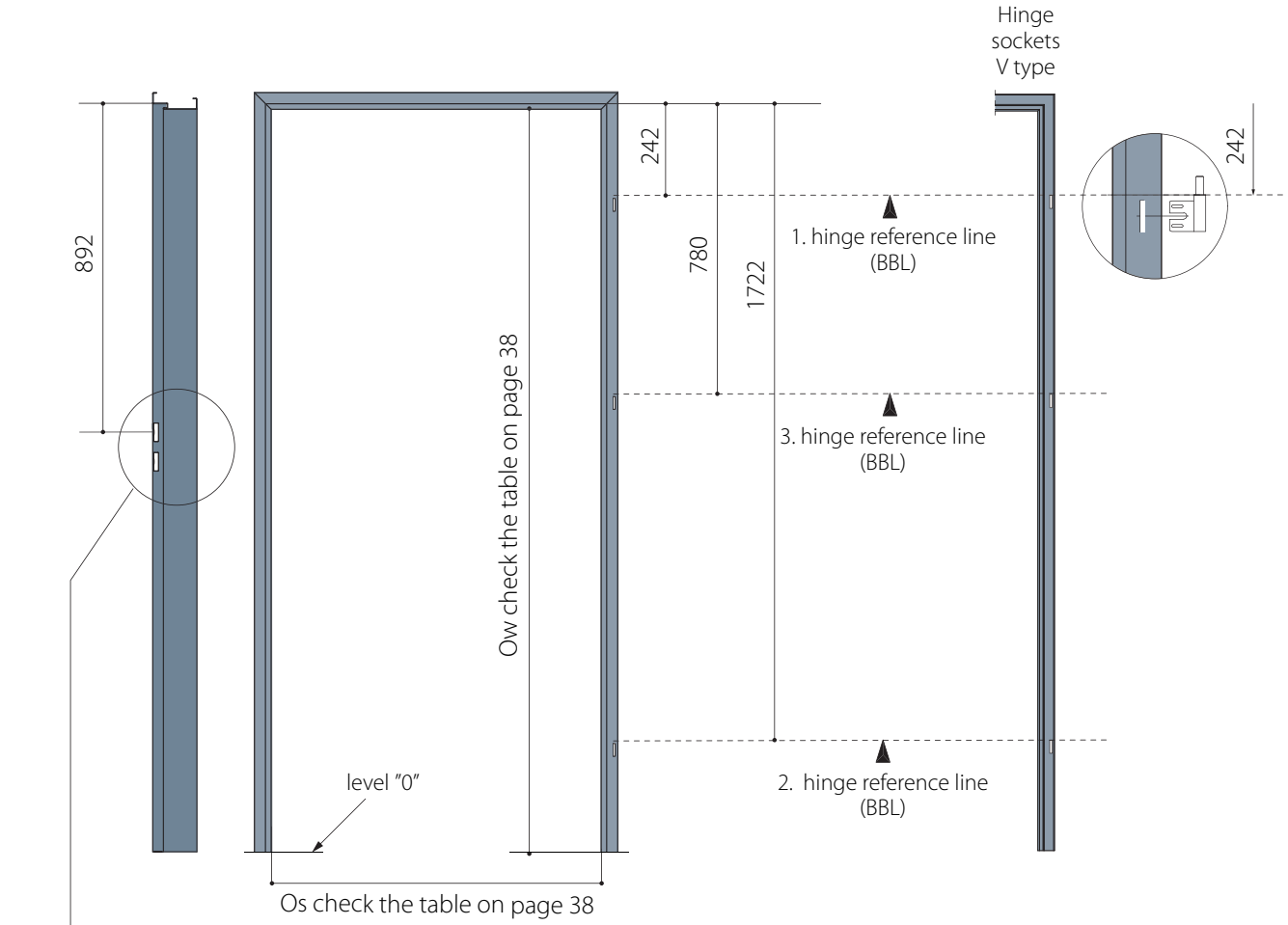


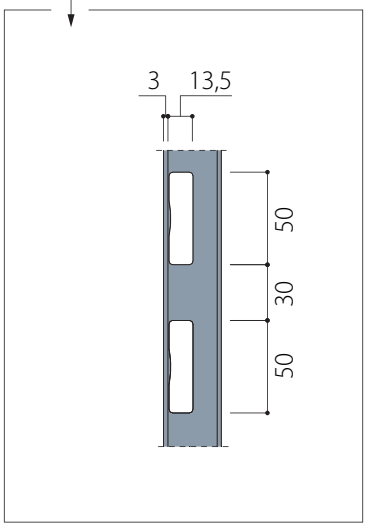
a) assembly of door frames with PROJECT profile with metal dowels [a] and mounting foam or mortar [b]
b) assembly of door frames with PROJECT profile with mounting foam or mortar [b]
c) assembly of door frames with PROJECT Premium profile with metal dowels [a] and mounting foam or mortar [b]
d) assembly of door frames with PROJECT Premium profile with mounting foam or mortar [b]

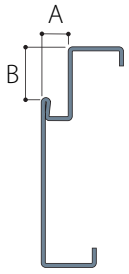
ASSEMBLY VIDEOS AVAILABLE AT THE ADDRESS:

DOOR FRAME DIMENSIONS

TO INTERIOR DOOR LEAVES ACCORDING TO PN FROM THE STANDARD PORTA OFFER







A = 15
B = 29

ATTENTION! The dimension of hinge reference lines is given for Polsoft 602-02-00J hinges.

EXEMPLARY ACCESSORIES

LOCK STRIKERS, ELECTRIC STRIKERS

Lock striker

Stainless steel striking plate adapted to electric striker with ProFix system

Stainless steel striking plate adapted to electric striker with ProFix system in unrebated version

Striking plate in door frame color adapted to electric striker

Striking plate in door frame color adapted to electric striker in unrebated version

DOOR CLOSERS

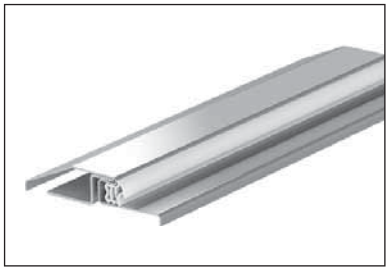
Surface arm door closer

Surface rail door closer

Hidden door closer

The rail of hidden door closer

THRESHOLDS



Stainless steel threshold dedicated to Porta door frames

EXEMPLARY ACCESSORIES

EXEMPLARY HINGES

Hinge socket, V type

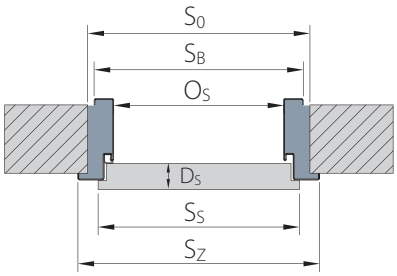
Hinge socket, Anuba type

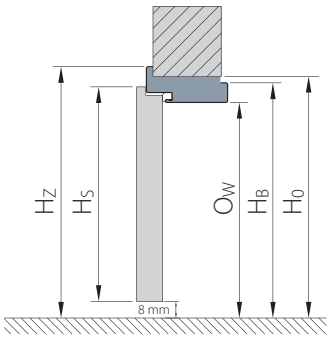
Hinge socket, VX type

We cooperate with:

DORMA effeff ASSA ABLOY AXA HOME&SECURITY KABA BEYOND SECURITY ECO TEKNOS SIMONSWERK GEZE

EXPLANATION OF SYMBOLS





the level of finished floor

LEGEND OF DIMENSIONS

S_S total door leaf width, including rebates
H_S total door leaf height, including rebate
D_S thickness of door leaf
S_0 width of wall opening ready for door frame setting
H_0 height of wall opening ready for door frame setting, measured from the finished floor level
O_S clear width of the door frame
O_W clear height of the door frame (for the doors with a threshold the height of threshold is deducted from this dimension)
S_B width of door frame, architraves exclude
H_B height of door frame, architraves excluded
S_Z total width of door frame, including architraves
H_Z total height of door frame, including architraves
$T_{S/W}$ permissible deviation from width/height of wall opening

TABLES OF DIMENSIONS of door frames available in basic offer

CORNER DOOR FRAMES

Type of door frame	Porta collection name	Size	S_S	H_S	D_S	S_0	H_0	O_S	O_W	S_B	H_B	S_Z	H_Z	$T_{S/W}$
Fixed dedicated to interior doors	Angle-bar small	60	644	2030	40	650	2045	596	2016	629	2033	686	2061	±10 / ±5
		70	744			750		696		729		786		
		80*	844			850		796		829		886		
		90*	944			950		896		929		986		
		100	1044			1050		996		1029		1086		
	Angle-bar small dedicated to Metal Basic doors	80	852	2030	40	860	2045	804	2016	837	2033	894	2061	±10/ ±5
		90	952			960		904		937		994		
		100	1052			1060		1004		1037		1094		
	Universal for utility rooms	70	715	2017	40***	760	2050	700	2018	739	2038	796	2066	±10 / ±5
		80	815			860		800		839		896		
		90	915			960		900		939		996		
Fixed dedicated to Porta technical doors	Metal EI 30	60	700	2054	53	695	2065	640	2037	673	2053	730	2082	±10 / ±5
		70	800			795		740		773		830		
		80	900			895		840		873		930		
		90	1000			995		940		973		1030		
	Metal EI 60	80	916	2054	67	930	2075	840	2029	911	2064	977	2097	±10/ ±5
		90	1016			1030		940		1011		1077		
		100	1116			1130		1040		1111		1177		

ANGLE-BAR DOOR FRAMES

Type of door frame	Porta collection name	Size	S_S	H_S	D_S	S_0	H_0	O_S	O_W	S_B	H_B	S_Z	H_Z	$T_{S/W}$
Fixed dedicated to interior doors	Angle-bar large for masonry walls	60	644	2030	40	675	2055	596	2016	656	2046	686	2061	±10 / ±5
		70	744			775		696		756		786		
		80*	844			875		796		856		886		
		90*	944			975		896		956		986		
		100	1044			1075		996		1056		1086		
		110	1144			1175		1096		1156		1186		
	Angle-bar large for plasterboard walls	60	644	2030	40	680	2055	596	2016	656	2046	686	2061	+10 / +5
		70	744			780		696		756		786		
		80*	844			880		796		856		886		
		90*	944			980		896		956		986		
		100	1044			1080		996		1056		1086		
		110	1144			1180		1096		1156		1186		

Folded dedicated to interior doors	Stainless steel folded angle-bar large	60	644	2030	40	675	2055	596	2016	656	2046	686	2061	±10 / ±5
		70	744			775		696		756		786		
		80*	844			875		796		856		886		
		90*	944			975		896		956		986		
		100	1044			1075		996		1056		1086		
		110	1144			1175		1096		1156		1186		
	Folded angle-bar large in PVC covering	60	644	2030	40	675	2055	596	2016	656	2046	706	2071	±10 / ±5
		70	744			775		696		756		806		
		80*	844			875		796		856		906		
		90*	944			975		896		956		1006		
		100	1044			1075		996		1056		1106		
		110	1144			1175		1096		1156		1206		
Fixed, to Porta interior \ entrance doors	AGATE, OPAL, QUARTZ, GRANITE	80	844	2030	40 / 44	875	2055	796	2016**	856	2046	906	2071	±10 / ±5
		90	952		44 / 48	985		904		964		1014		
		100	1044		45 / 47	1075		996		1056		1106		
Fixed, to PORTA technical doors	ENDURO	60	644	2030	40	675	2055	596	2016	656	2046	686	2061	±10 / ±5
		70	744			775		696		756		786		
		80	844			875		796		856		886		
		90	952			985		904		964		994		
		100	1044			1075		996		1056		1086		
	ENDURO - swinging version	60	618	2017	40	750	2085	638	2030	728	2075	728	2075	±10 / ±5
		70	718			850		738		828		828		
		80	818			950		838		928		928		
		90	918			1050		938		1028		1028		
		100	1018			1150		1038		1128		1128		
	AQUA	60	618	2017	40	675	2055	596	2016	656	2046	686	2061	±10 / ±5
		70	718			775		696		756		786		
		80	818			875		796		856		886		
		90	926			983		904		964		994		
		100	1018			1075		996		1056		1086		
	EI 30, Rw 27 dB, Rw 32 dB	60	644	2030	44 / 48	675	2055	596	2013	656	2043	706	2068	±10 / ±5
		70	744			775		696		756		806		
		80	844		40 / 44	875		796		856		906		
		90	952		44 / 48	985		904		964		1014		
		100	1044			1075		996		1056		1106		
	SILENCE Rw 37 dB rebated	80	844	2030	49	875	2055	796	2013	856	2043	906	2068	+10 / +5
		90	952			985		904		964		1014		
		100	1044			1075		996		1056		1106		
	SILENCE Rw 37 dB unrebated	80	818	2017	49	875	2055	795	2013	855	2043	905	2068	+10 / +5
		90	968			1025		945		1005		1055		
		100	1018			1075		995		1055		1105		
	Rw 42 dB	80	888	2047	69	890	2055	810	2015	870	2045	950	2085	±10 / ±5
		90	988			990		910		970		1050		
		100	1088			1090		1010		1070		1150		
	EI 60	60	668	2030	61 / 65	700	2055	622	2013	682	2043	732	2068	±10 / ±5
		70	768			800		722		782		832		
		80	868			900		822		882		932		
		90	968			1000		922		982		1032		

COVERING DOOR FRAMES

Type of door frame	Porta collection name	Size	S_S	H_S	D_S	S_0	H_0	O_S	O_W	S_B	H_B	S_Z	H_Z	$T_{S/W}$
Adjustable dedicated to interior doors	Adjustable PS with „sharp edges"	60	644	2030	40	700	2070	596	2016	679	2058	736	2086	-10 / -5
		70	744			800		696		779		836		
		80*	844			900		796		879		936		
		90*	944			1000		896		979		1036		
		100	1044			1100		996		1079		1136		
	Adjustable PS (with R profile)	60	644	2030	40	700	2070	596	2016	680	2058	716	2076	−10 / −5
		70	744			800		696		780		816		
		80*	844			900		796		880		916		
		90*	944			1000		896		980		1016		
		100	1044			1100		996		1080		1116		
		110	1144			1200		1096		1180		1216		
Adjustable dedicated to PORTA entrance doors	PROJECT, PROJECT PREMIUM for doors: AGATE, OPAL, QUARTZ, GRANITE	60	644	2030	40	675	2055	596	2016	656	2046	686	2061	±10 / ±5
		70	744			775		696		756		786		
		80*	844			875		796		856		886		
		90	944			975		896		956		986		
		100	1044			1075		996		1056		1086		
		110	1144			1175		1096		1156		1186		
Adjustable dedicated to PORTA technical doors	PROJECT, PROJECT PREMIUM to doors EI30, Rw 27 dB, Rw 32dB	80	844	2030	40/44	900	2070	796	2013	880	2055	936	2086	±10 / ±5
		90	952		44/48	1010		904		988		1044		
		100	1044		45/47	1100		996		1080		1136		
	PROJECT, PROJECT PREMIUM to EI60 doors	60	668	2030	61/65	725	2070	622	2013	706	2055	762	2083	±10 / ±5
		70	768			825		722		806		862		
		80	868			925		822		906		962		
		90	968			1025		922		1006		1062		
	PROJECT, PROJECT PREMIUM to Rw 42 dB	80	888	2047	69	915	2070	810	2015	894	2057	950	2085	±10 / ±5
		90	988			1015		910		994		1050		
		100	1088			1115		1010		1094		1150		

* **ATTENTION!** Investor's orders (opening 800, 900 mm) – available as standard – no extra charge (investment norm - 8 mm must be added to O_W). Please remember to select the correct size of door leaves for the particular set.

** The use of metal threshold will decrease given size by 16 mm.

** The door leaf thickness measured on vertical edges / more information in Investment Catalogue.

NOTES:

- Size tolerance in accordance with the Polish Standard (PN): up to 1 m: ± 1 mm, above 1 m: ± 2 mm.
- Door frames are designed for installation on completed floors. Metal frames may be ordered 30 mm longer, to mount their ends in concrete. Then, the H_B and H_Z must be increased by 30 mm (level „-30").

COMPREHENSIVE OFFER OF PORTA GROUP

A wide selection of Porta doors allows you to choose the right product according to both the customer's taste and needs. We continuously follow the trends in design, to make our offer valid and attractive. We make sure that the product colours meet the customer's tastes. At the same time we pay attention to detail, which is why Porta is a brand that combines functional solutions with high quality.

INTERIOR DOORS
in synthetic veneers

We offer a wide range of door designs and veneers for houses, apartments, lofts and offices. Both lovers of classic designs as well as people interested in the latest trends will find a product meeting their needs in our offer.

INTERIOR DOORS
in natural veneers

For the lovers of good taste, impressive and elegant solutions, we have prepared a collection of doors in natural veneers. Here you can find both traditional and modern doors.

INTERIOR ENTRANCE DOORS

Porta interior entrance doors are available as reinforced doors, fireproof doors and burglarproof doors. It is worth mentioning that the entrance doors have the same colour scheme as the doors to the rooms. Therefore, it is easy to match the colour of the entrance door to the doors inside the apartment.

EXTERIOR ENTRANCE DOORS

Exterior doors complement the style of the building, as well as provide protection against noise, cold and moisture. Porta doors have exceptional thermal insulation properties, which combined with the use of effective anti-theft solutions ensure a sense of security and comfort.

TECHNICAL DOORS

Technical doors are an indispensable complement to the series of doors used in public buildings, shopping malls, cinemas, etc. Such doors can also be found in use in residential houses. A wide range of Porta technical doors allows to meet all the requirements of the building in the area of fire protection and sound insulation.

STEEL DOORS

The use of high-quality galvanised and acid-proof steel allows us to offer doors resistant to weather conditions and aggressive environments in laboratories, swimming pools, etc.
Steel doors are perfect for technical areas of commercial buildings, garages, basements and areas with increased hygienic requirements.

DOOR FRAMES, TRANSOMS

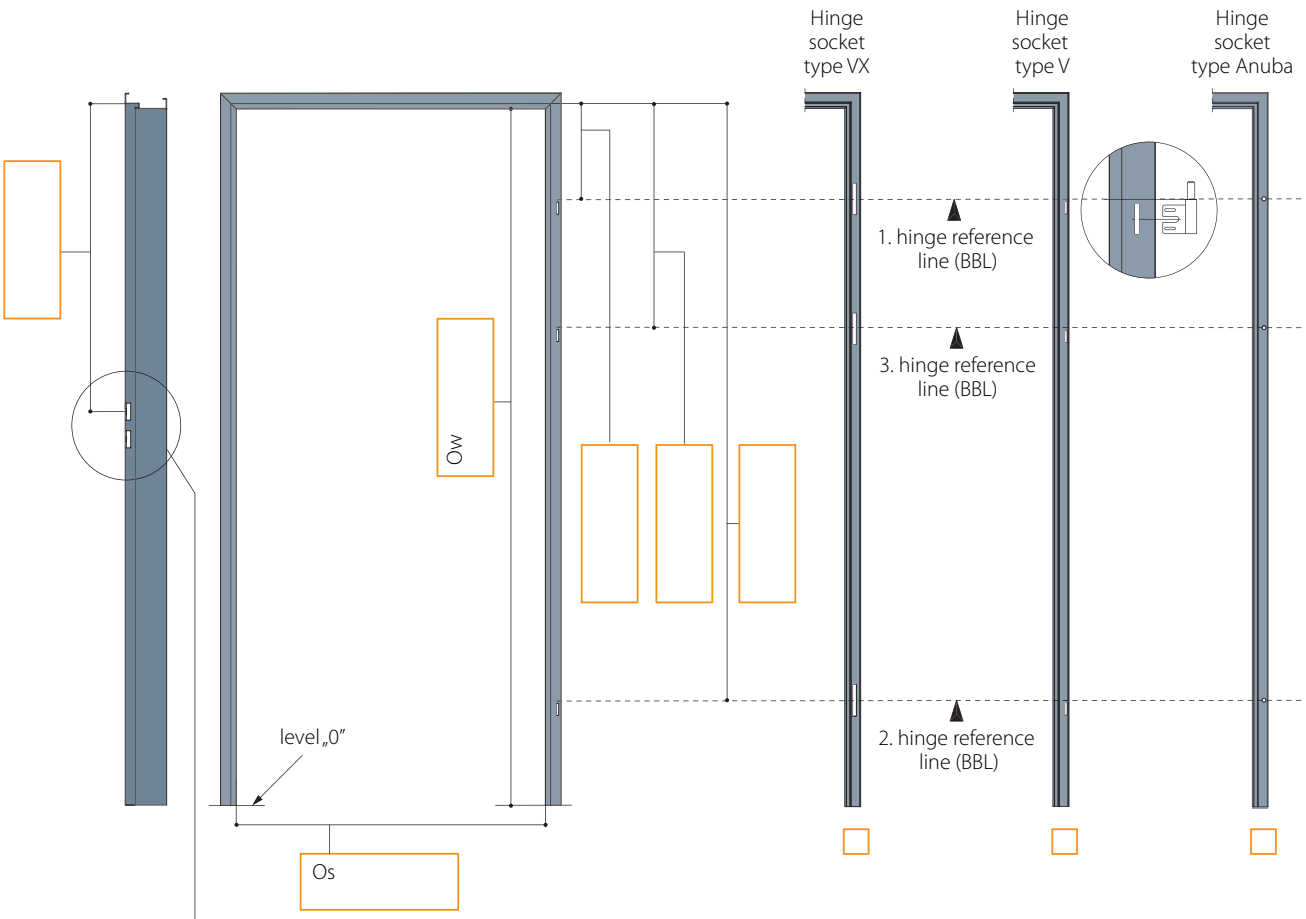
A wide range of Porta door frames, both steel and wooden, makes it possible to match the parameters and properties that meet all the expectations of the designer or user.
The same type and colour of the veneer as the door leaf allows us to offer a complete door set with uniform visual and functional parameters.

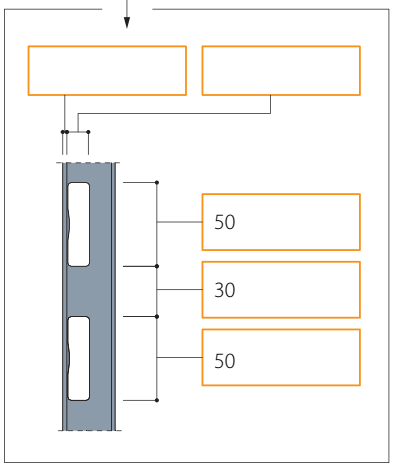
PANELS, BUILT-IN FURNITURE

Continuously growing interest in door portals and all kinds of built-in furniture was reflected in Porta's product offer. We offer wall panels made of panels with a properly chosen thickness and any size, veneered with the same veneer as the door.
This allows us to create complex, visually uniform built-in furniture in the immediate surroundings of the door.

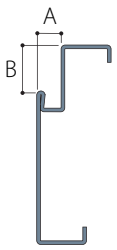
We will adapt door frame to your needs

Fill in empty spaces with sizes of your door frame





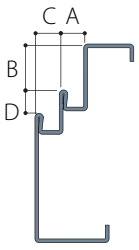
☐ To single-rebate door leaves



A =

B =

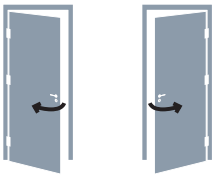
☐ To double-rebate door leaves



C =

D =

Hinge type:



☐ Left ☐ Right

Additional information:

Ow - height of clear opening in door frame
Os - width of clear opening in door frame

Orders not included in standard offer are proceeded by dedicated Contract Department.

Set consisting of door frame and stainless steel door leaf
used in a medical laboratory

www.portadoors.com | info@porta.com.pl

For more information and solutions
visit www.portasteel.pl

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e-mail: info@porta.com.pl

- PORTA's factories
- PORTA dealers network

Druk PORTA 867/1. Zlecenie 2016-6492-MP Data 25.07.2016