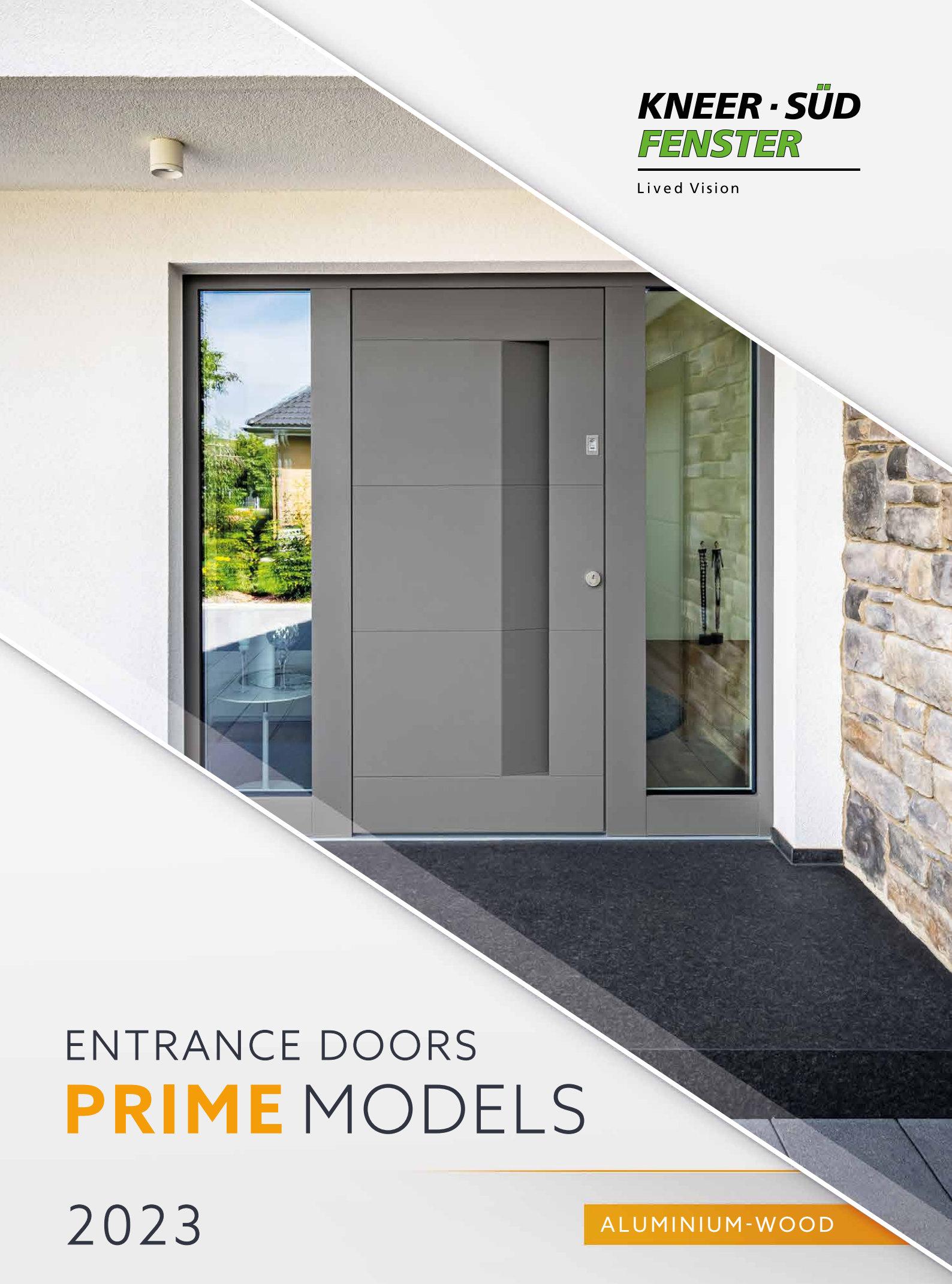
KNEER · SÜD
FENSTER
Lived Vision



ENTRANCE DOORS
PRIME MODELS

2023

ALUMINIUM-WOOD

Sophisticated front doors

The decisive factor for your well-considered purchase decision is certainly the appearance. The spark must jump over. Whether modern, classic, purist or charming - the front door must suit you and the style of your house. Aluminium-wood front doors from KNEER-SÜDFENSTER are not only beautiful to look at and inviting, but also convince through inner values such as a robust construction, high security and good thermal insulation.

An innovative, technically mature front door fulfills its tasks for many years and looks very good at the same time!

ENTRANCE DOORS CATEGORY PREMIUM+
FROM PAGE 4

ENTRANCE DOORS CATEGORY PREMIUM
FROM PAGE 12

ENTRANCE DOORS CATEGORY BASIC+
FROM PAGE 18

ENTRANCE DOORS CATEGORY BASIC
PAGE 21

PLEASE CONSIDER The proportions of the entrance doors may differ from the illustration depending on the size of the door. Object mapping may vary due to the system. There might be slight deviations in colour due to printing process.

Welcome to Kneer-Südfenster

For 90 years the family business KNEER-SÜDFENSTER has been producing high-quality building elements for demanding clients from aluminum-wood, wood, aluminum, aluminum-plastic and plastic.
Around 800 employees manufacture windows, lift-and-slide doors, mullion-transom facades and entrance doors according to the latest findings in the highest quality for customers all over the world.

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HT A **23-220**

Standard Equipment
colour HWF-7773-FME cast iron
wood type spruce AH-LAS-101-05
round rosette BA 3518

TIMELESS ELEGANT

Behind the charming exterior hides the latest technology and innovative security equipment of resistance class RC 2. A modern entrance door means more protection, security and well-being.

Standard Equipment

automatic-lock with daytime function | fully concealed hinges | LED-handle illumination | colour HWF-RAL9005-FMA jet black wood type inside pine or spruce | handle aluminium in powdercoated RAL 9005 jet black fine structure matt | round rosette freely selectable

ⓘ ***Only available with illustrated handle in jet black or silver***

PREMIUM+

HT A **23-221**

Standard Equipment
frame colour HWF-RAL9005-FMA
jet black
door leaf colour HWF-DB703-FME DB 703
wood type spruce AH-LAS-101-05
round rosette BA 3518

WELCOME AT HOME

A light and airy feeling of life welcomes you at this entrance door, which gives your home a very personal touch: Sweeping, dynamic and design-oriented, it reflects the style of the residents.

Standard Equipment

automatic-lock with daytime function | fully concealed hinges | colour HWF-RAL9005-FMA jet black | wood type inside pine or spruce curved handle aluminium in powdercoated RAL 9005 jet black fine structure matt | round rosette freely selectable

ⓘ ***Only available with illustrated handle in jet black or silver***

HANDLE
ALSO AVAILABLE IN
STAINLESS STEEL

HT A **23-226**

Standard Equipment
frame colour HWF-RAL9005-FMA
jet black
door leaf Art-Beton
wood type spruce AH-LAS-101-05

The concrete-look is only possible on the outside.

THE AESTHETIC LIES IN THE RESTRAINT

Rough surface embossed with pores: the concrete-appearance is timeless and elegant. The combination with wood inside is an intersting mix: A unique entrance door with unmistakable appearance for discerning builders with a faible for the special.

Standard Equipment
automatic-lock with daytime function | fully concealed hinges | colour HWF-RAL9005-FMA jet black
door leaf outside Art-Beton | wood type inside pine or spruce | handle BA 3056 | round rosette BA 3518

HT A 23-226 frame colour HWF-RAL9005-FMA jet black
door leaf Art-Beton | handle BA 3056 | round rosette BA 3518

HT A **23-227**

Standard Equipment
frame colour HWF-RAL9005-FMA jet black
door leaf wood decor oak Malt
wood type spruce AH-LAS-101-05
round rosette BA 3518

The wood decor look is only possible on the outside

HARMONY WITH WOODEN LOOK

A lovingly designed entrance area gives us the feeling of being welcomed with open arms and delights us every day again. Due to the different view optics in the exterior and interior, as well as diverse color options, the individual taste is perfectly expressed.

Standard Equipment

automatic-lock with daytime function | fully concealed hinges | colour HWF-RAL9005-FMA jet black | door leaf outside wood decor oak Malt wood type inside pine or spruce | curved handle aluminium in powdercoated RAL 9005 jet black fine structure matt | round rosette freely selectable

Only available with illustrated handle in jet black or silver

HT A 23-227 frame colour HWF-RAL9005-FMA jet black
door leaf wood decor oak Malt | handle curved in aluminium
powdercoated RAL 9005 jet black fine structure matt
round rosette BA 3518 | glazing Iso light

PREMIUM

EQUIPMENT
ALSO AVAILABLE IN
STAINLESS STEEL

HT A **23-215**

colour HWF-DB703-FME DB 703
internal grip plate
round rosette BA 3518 | grooves
LED lighting optional

HT A **23-219**

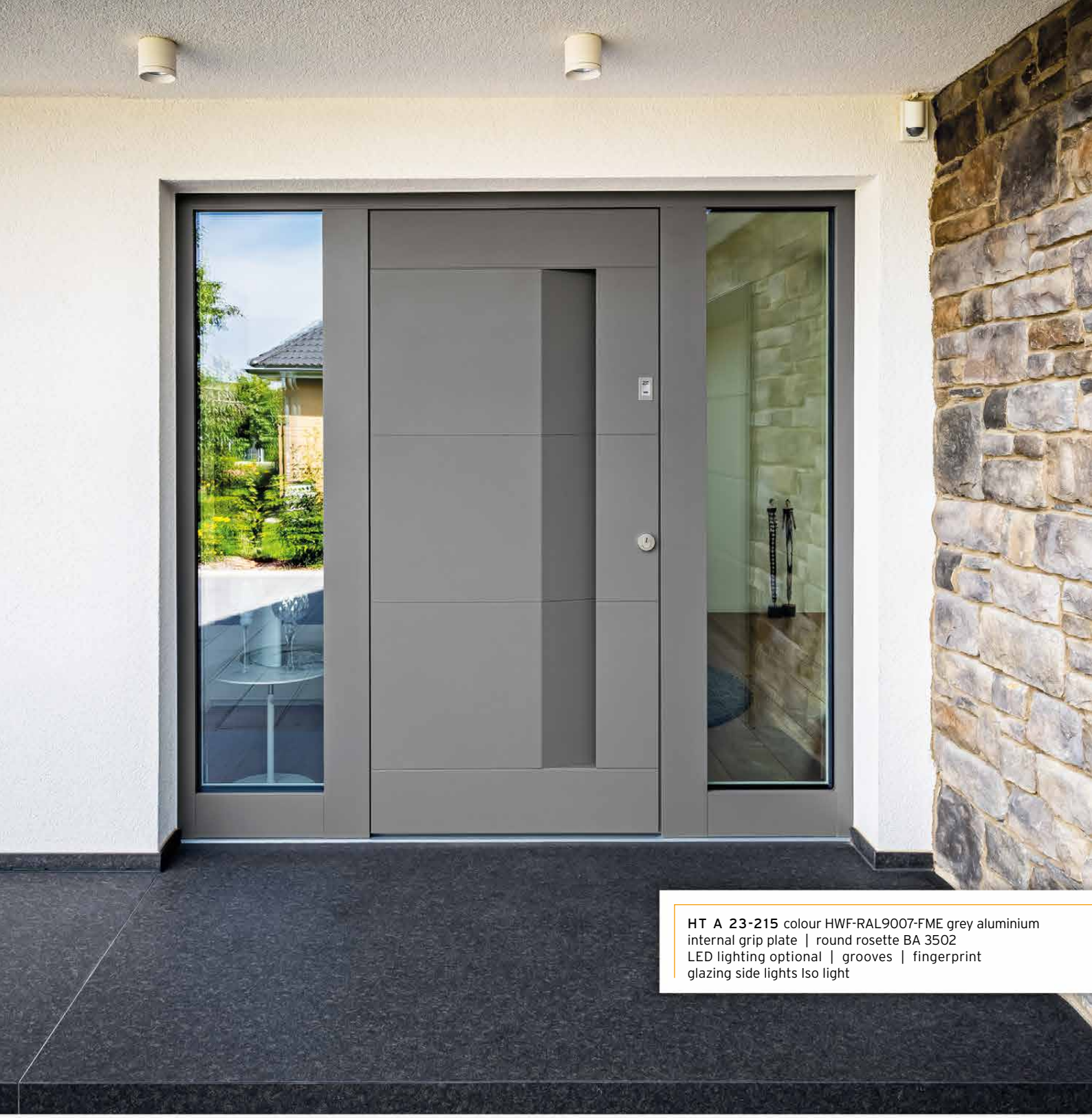
frame colour HWF-RAL9005-FMA jet black
door leaf colour HWF-DB703-FME DB 703
handle BA 3053 | round rosette BA 3518
glazing satinato white
jet black applications

HT A 23-215
ALSO AVAILABLE WITH
LED LIGHTING

HARMONIUOS LOOK

Your new entrance door should meet many requirements: First and foremost, it must please you, but it must also fit your house. It should be extremely robust, weatherproof and easy to clean. You also attach great importance to security. So you expect a high level of burglar resistance. And then there is the thermal and sound insulation! All these wishes are fulfilled with aluminum-wood entrance doors from KNEER-SÜDFENSTER without any problems.

PLEASE CONSIDER doors contain optional equipment



HT A 23-215 colour HWF-RAL9007-FME grey aluminium
internal grip plate | round rosette BA 3502
LED lighting optional | grooves | fingerprint
glazing side lights Iso light

PREMIUM

EQUIPMENT ALSO AVAILABLE IN STAINLESS STEEL

HT A **23-205**

frame colour HWF-RAL9005-FMA jet black
door leaf colour HWF-RAL9006-FME white aluminium
handle BA 3055 | round rosette BA 3518
jet black applications | partially sandblasted glass in the number field glass and house number Iso light

HT A **23-206**

frame colour HWF-RAL9005-FMA jet black
door leaf colour HWF-RAL9006-FME white aluminium
handle BA 3055 | round rosette BA 3518
jet black stripes | glazing satinato white

HT A **23-216**

frame colour HWF-RAL9005-FMA jet black
door leaf colour HWF-RAL9007-FME grey aluminium
handle BA 3055 | round rosette BA 3518
glass partially sandblasted

HT A **23-218**

frame colour HWF-RAL9005-FMA jet black
door leaf colour HWF-RAL9007-FME grey aluminium
handle BA 3055 | round rosette BA 3518
grooves | glazing satinato white

PLEASE CONSIDER doors contain optional equipment

PREMIUM

EQUIPMENT
ALSO AVAILABLE IN
JET BLACK

HT A **23-201**
colour HWF-RAL9016-FMA traffic white
handle BA 3001 | round rosette BA 3502
stainless steel base plate

OAK & LARCH
CROSS VENEERED

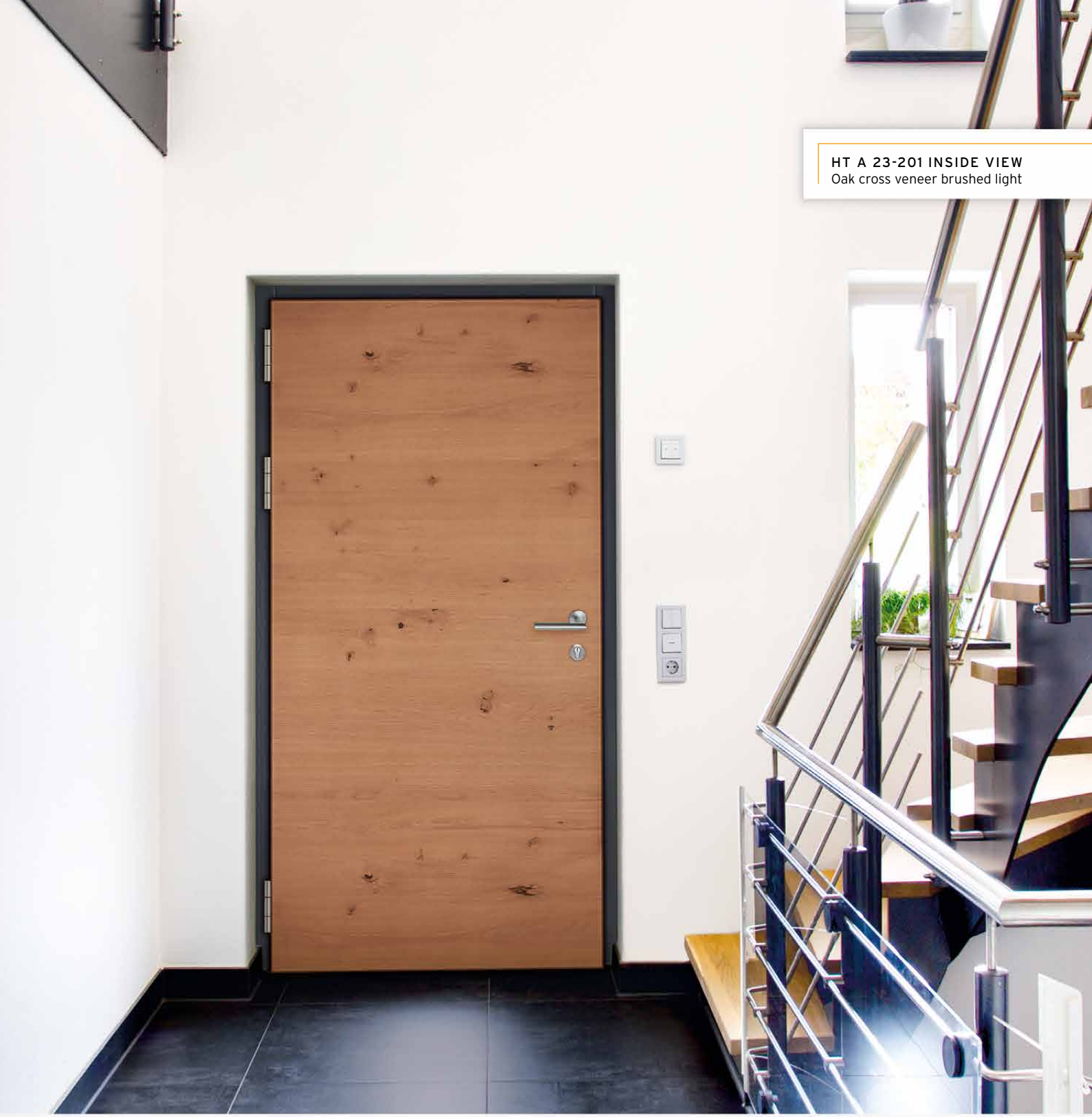
STYLISH WOOD VENEERS

The door leaf can be designed in the interior in the types of wood oak and larch. The cross veneer is executed brushed. The colour differences and rough branches are deliberately emphasized. The veneer of the surface is much more knotty and lively like that of the oak.

The expression of the individual veneers can nevertheless vary. The frame is executed in a covering shade.

HT A **23-203**
colour HWF-RAL9007-FME grey aluminium
handle BA 3001 | round rosette BA 3502
stainless steel stripes

HT A **23-207**
colour HWF-RAL9007-FME grey aluminium
handle round stainless steel *special edition model*
BA 3070, 500 mm round rosette BA 3502 | stainless steel stripes | glass sandblasted with clear stripes



HT A 23-201 INSIDE VIEW
Oak cross veneer brushed light

**ALL MODELS
ONLY WITH THE SHOWN
HANDLES AVAILABLE**

HT A **23-701**
colour HWF-RAL9016-FMA traffic white
glazing satinato white | handle BA 3047, 1600 mm

HT A **23-702**
colour HWF-RAL9016-FMA traffic white
glazing satinato white | handle BA 3047, 1600 mm

HT A **23-703**
colour HWF-RAL7016-FMA anthracite grey
glazing satinato white | handle BA 3047, 1600 mm

HT A **23-705**
colour HWF-RAL7016-FMA anthracite grey
glazing satinato white | handle BA 3047, 1600 mm

HT A 23-701 INSIDE VIEW
colour pine LAS-16-09 | glazing Iso light

BASIC+

**ALL MODELS
ONLY WITH THE SHOWN
HANDLES AVAILABLE**

HT A **23-706**
colour HWF-RAL9016-FMA traffic white
glazing satinato white | handle BA 3047, 1600 mm

HT A **23-707**
colour HWF-RAL9016-FMA traffic white
handle BA 3047, 1600 mm

HT A **23-709**
colour HWF-RAL7016-FMA anthracite grey
handle BA 3047, 1600 mm | stainless steel stripes

HT A **23-710**
colour HWF-RAL7016-FMA anthracite grey
glazing satinato white | handle BA 3047, 1600 mm

BASIC

**ALL MODELS
ONLY WITH THE SHOWN
HANDLES AVAILABLE**

HT A **23-127**
colour HWF-RAL9016-FMA traffic white
glazing satinato white | handle BA 3071, 1000 mm

HT A **23-128**
colour HWF-RAL9016-FMA traffic white
glazing satinato white | handle BA 3071, 1000 mm

HT A **23-129**
colour HWF-RAL7016-FMA anthracite grey
glazing satinato white | handle BA 3071, 1000 mm

HT A **23-130**
colour HWF-RAL7016-FMA anthracite grey
glazing satinato white | handle BA 3071, 1000 mm

ALUMINIUM COLOURS PG1

HWF-RAL9016-FMA
traffic white

HWF-RAL7040-FMA
window grey

HWF-RAL7037-FMA
dusty grey

HWF-RAL7016-FMA
anthracite grey

HWF-RAL8017-FMA
chocolate brown

HWF-RAL9006-FME
white aluminium

HWF-RAL9007-FME
grey aluminium

HWF-7774-FME
volcanic ash

HWF-DB703-FME
DB 703

HWF-7773-FME
cast iron

HWF-RAL8014-FMA
sepia brown

HWF-RAL8011-FMA
nut brown

HWF-RAL8003-FMA
clay brown

HWF-RAL3004-FMA
purple red

HWF-RAL6005-FMA
moss green

HWF-6667-GMA
alu dark bronze

HWF-6668-GMA
alu middle bronze

HWF-6669-GMA
alu natur

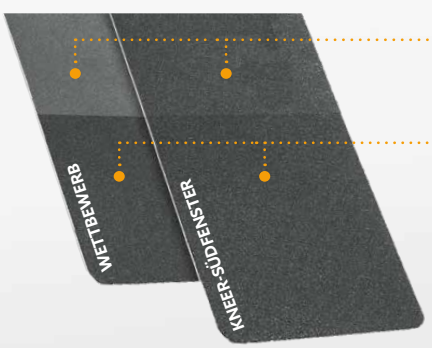
ALUMINIUM - SONDERFARBEN

- RAL at choice smooth-matt (pg 2 **without surcharge**)
- RAL at choice smooth-glossy, fine structure and highly weather resistant as far as possible (pg 3 - 5)

THE FOLLOWING COLOURS ARE NOT AVAILABLE

- NCS-, DB- and RAL design colour card
- wood decors and pearl effect

WEATHER TEST



After **10 YEARS OF WEATHERING,** the HWF-coating of **KNEER-SÜDFENSTER** is much less faded

Powder coating in new condition

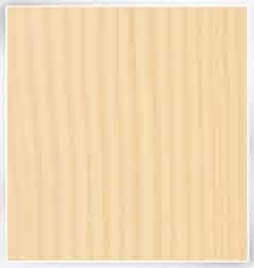
your possibilities

WOOD TYPES & COLOURS

PINE | SPRUCE
AH-DMA-150-05

SPRUCE
AH-LAS-101-05

PINE | **SPRUCE**
AH-LAS-100-10



PINE | SPRUCE
AH-LAS-102-05

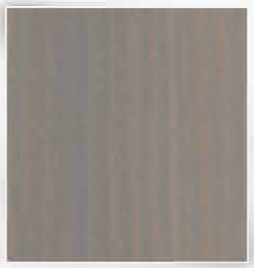
PINE | SPRUCE
AH-LAS-100-09

PINE | SPRUCE
AH-LAS-103-13

PINE
AH-LAS-107-53

PINE | SPRUCE
AH-LAS-105-01

PINE | SPRUCE
AH-OEL-202-54



PINE
LAS-44-14

PINE
LAS-16-09

PINE
LAS-19-03

PINE
LAS-18-02

PINE
LAS-40-02

PINE
LAS-31-01

LARCH CROSS VENEERED
brushed light

OAK CROSS VENEERED
brushed light

HINWEIS

Cross veneer wood surfaces are not possible with **BASIC** entrance doors

ON REQUEST WITH CROSS VENEER

Additonally you can get the wood types oak and larch. The cross veneers are executed brushed and get a bright colour. The colour differences and rough branches are deliberately emphasized. The veneer of larch is much more knotty and lively as that of the oak. The expression of the individual veneers can nevertheless vary.
For the door frame these two colors are not available, as a combination we recommend an opaque color such as RAL 9005 jet black to match the **black equipment** section.

your possibilities

GLAZING

To make your new front door even more individual, we offer special glasses for you to choose from. In addition to Iso light, we also offer various ornamental glass types. Or would you prefer Satinato white with a clear edge? Very elegant!

SATINATO WHITE*

SATINATO WITH CLEAR EDGE

CHINCHILLA WHITE*

MASTERCARRE WHITE*

SILVIT WHITE

GOTHIK WHITE

MADRAS PAVE WHITE

MADRAS UADI WHITE

BAROCK WHITE

ON REQUEST
WITH MIRROR ON THE INSIDE

All doors without glass cutout are perfectlysuitable for designing with a large mirror (approx. 30 cm wide). This is a decorative as well as practical design and changes the design in the entrance area.

The following doors are available with mirror:
HT A 23-201 | HT A 23-203 | HT A 23-215 | HT A 23-220 | HT A 23-221
HT A 23-226 | HT A 23-227 | **against surcharge**

* **BASIC** and **BASIC+** entrance doors are only available with the marked* glazing

STAINLESS STEEL EQUIPMENT

HANDLE BAR HALF-ROUND

dimension and type:

1480 mm - BA 3030
1280 mm - BA 3011
1040 mm - BA 3004

HANDLE BAR ROUND

dimension and type:

1480 mm - BA 3001
1200 mm - BA 3003
500 mm - BA 3010

KNOB ROUND

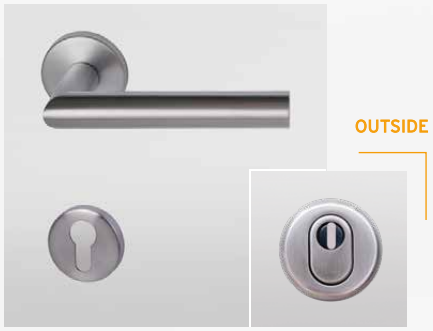
type:
BA 3006

NOTE

For **PREMIUM** entrance doors you can choose between these handle bars

INTERIOR HANDLES & EXTERIOR ROSETTES

PREMIUM, **BASIC+** and **BASIC** front doors are standardly equipped with stainless steel fittings and interior handle BA 3502. On request, a handle can be selected on the outside instead of the handle bar. The outside lever handle is identical with the inside lever handle (without surcharge). You will receive 5 keys in the standard.



INTERIOR HANDLE ROUND

type: BA 3502

INTERIOR HANDLE ANGULAR

type: BA 3506

PROFILE CYLINDER

with drilling protection
and 5 reversible keys

PLANO-ROSETTE ROUND

with interior handle round
type: BA 3522

PLANO-ROSETTE ANGULAR

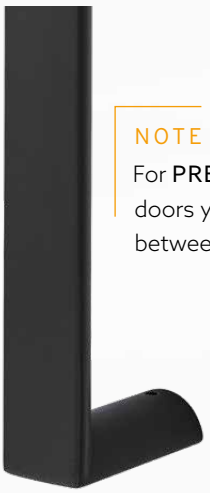
with interior handle angular
type: BA 3523

BLACK EQUIPMENT

Black MAGIC

Fully on trend:
Accessories in an elegant very intense black. Mysterious, traditional and fascinating. Magical forces captivate your visitors and convey an enchanting, sparkling atmosphere of well-being.

Surprise family, friends and acquaintances with a high quality entrance door made especially for you, including the most state-of-the-art technology.



NOTE
For **PREMIUM** entrance doors you can choose between these handle bars

HANDLE BAR HALF-ROUND

dimension and type:

1480 mm - BA 3052
1280 mm - BA 3053
1040 mm - BA 3054

HANDLE BAR ROUND

dimension and type:

1480 mm - BA 3055
1200 mm - BA 3056
500 mm - BA 3057

INTERIOR HANDLE ROUND

cylinder cover: round rosette
type: BA 3518

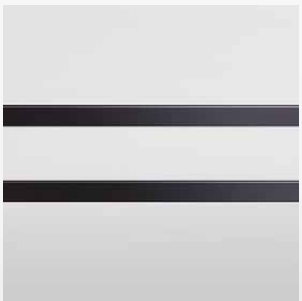
PLANO-ROSETTE ROUND

with interior handle round
type: BA 3519

FINGERPRINT

BASE PLATE

APPLICATIONS



STRIPES

SAFETY BEGINS OUTSIDE THE DOOR

SmartConnect door is a modern, smart video door intercom system that opens up new possibilities for you. Via tablet or smartphone you can always and everywhere get in touch with your visitors, even if you are not at home. The small and discreet door module also contains a smart home server that can be used to manage users and access authorizations in addition to opening the door.

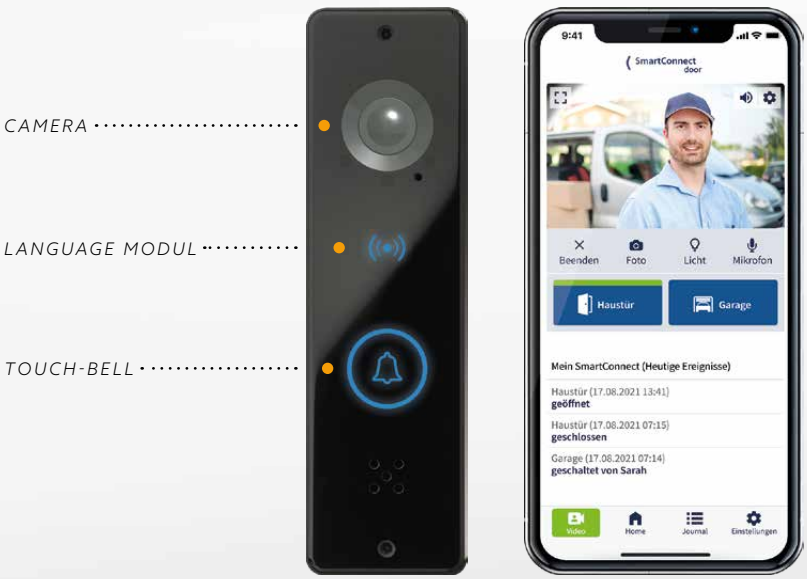
NOTE
SmartConnect door is not possible with **BASIC** entrance doors

COMFORTABLE OPERABILITY

- ✓ Intuitive operation of the door intercom system via smartphone app
- ✓ Location-independent interaction with visitors - authorized mobile devices receive a push message as soon as the bell is rung
- ✓ Individual user administration with time profiles

HIGH SECURITY

- ✓ High system security through secure encryption and user accounts
- ✓ You can see your visitors, speak with them, open the door - a log of everything that happens in front of your entrance door
- ✓ Additional security: A presence is suggested to the person ringing the bell and you can see who is at your entrance door at all times



NOTE
For SmartConnect door, the door must be near a WLAN network

SPECIAL EQUIPMENT

ACCESS OPTIONS

All doors are equipped as standard with an automatic lock (without E-opener).

By pulling the door, the latch bolts at the top and bottom of the door automatically move 20 mm into the bolting bar. As a result, the door is always locked - without locking with the key. A day trap (also called snapper or latch) is also integrated in the lock, however, the automatic locking must be deactivated for use.

1 E-OPENER

Electric door opener - for using, the automatic lock has to be deactivetad manually.
The E-opener is integrated in the face plate.

- ✓ Easy opening of the door by actuation of e.g. the domestic intercom system
- ✓ No need to walk to the door

2 AUTOMATIC LOCK WITH M-OPENER

Door opener with motor-driven release - By pulling the door closed the multipoint lock will be activated without locking it. Releasing is done by pressing the handle or for instance by a domestic intercom system.
Electrical opening options such as fingerprint or domestic intercom system are overriden by manual relocking.

- ✓ Maximum security without locking
- ✓ The automatic and the motorised locking complement each other
- ✓ Ideal for access system in single and multi-family houses

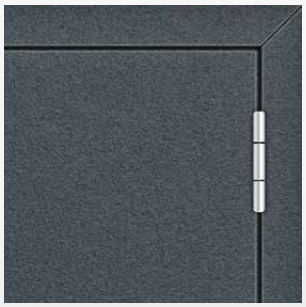
3 FULL MOTORIZED LOCK

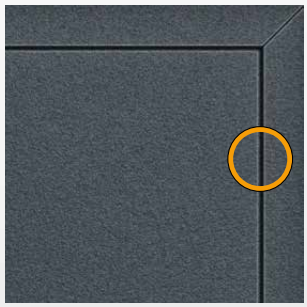
Opening and closing is motorized - as if by magic. As soon as the door falls into the lock, the lock independently closed, without any manual closing. The opening of the door is comfortably motorized via door opener the intercom system or via access systems.

- ✓ Maximum comfort and security
- ✓ Increased tightness
- ✓ Panic function as standard, opening the door from insinde is always guaranteed

FULLY CONCEALED HINGES

All **PREMIUM+** front doors are equipped with concealed hinges as standard.
You have the possibility to upgrade all **PREMIUM**, **BASIC+** and **BASIC** front doors with concealed hinges.





FINGERPRINT ACCESS SYSTEM INCLUDING M-OPENER

The fingerprint includes the M-opener listed above. The automatic locking and motorized unlocking is thus ensured and thus increases the safety. Electrical opening options such as fingerprint or domestic intercom system are overriden by manual relocking.

ALSO AVAILABLE IN JET BLACK

- ✓ comfortable operation, you don't have to carry a key
- ✓ external access is not only possible via the key but also via the fingerprint - you have the choice
- ✓ the door is always closed and thus provides maximum security
- ✓ our fingers are unique and cannot be replicated or get lost, the fingerprint ages with you
- ✓ pull the taught fi nger over the scanner, the green light will illuminate and the door will unlock

1 INTEGRATED IN THE DOOR LEAF

fingerprint in jet black

2 INTEGRATED IN THE HANDLE BAR

push bar half-round with fingerprint available in two lengths. Installation height of the fingerprint approx. between 1200 mm and 1600 mm depending on the door height and mode.

push bar length 1280 mm	-	BA 3041
push bar length 1480 mm	-	BA 3042

or integrated in the handle bar of model HT A 23-227

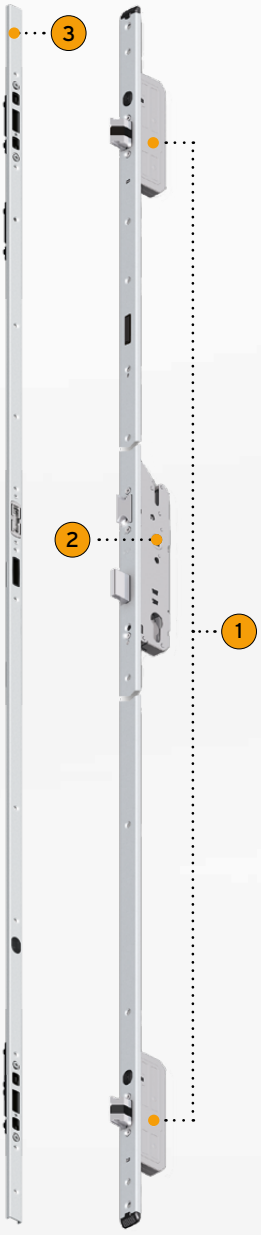
OPTIONALLY SINGLE SPACE MONITORING

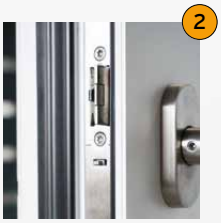
With this variant you have the option to delete or shut down indivudual fingers. Controllable only via App (if you have a smartphone with Bluetooth-function).

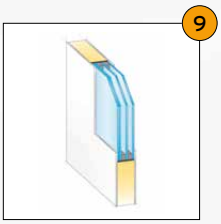
SAFETY TECHNOLOGY

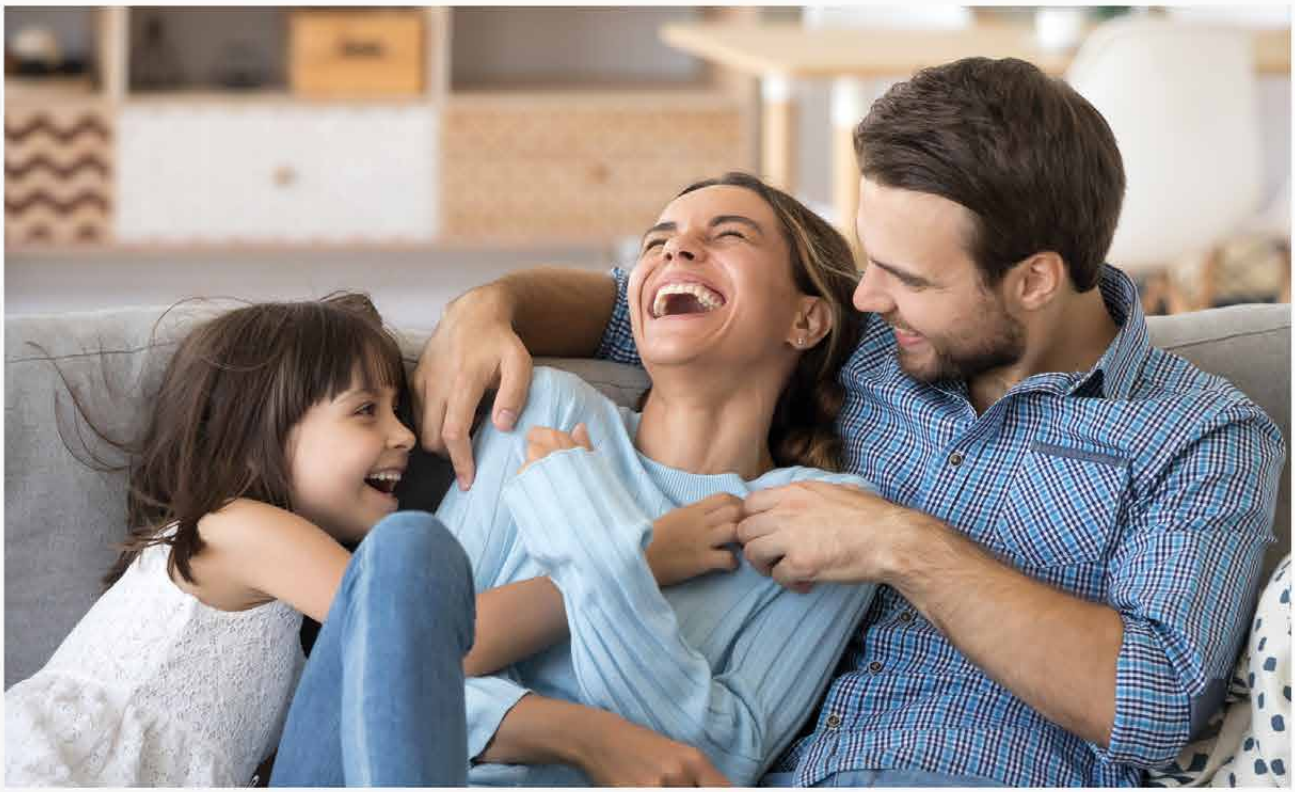
SECURITY AND SAFETY FOR YOUR HOME

Your new entrance door should be inviting for visitors and deterrent for burglars.
First and foremost, it must guarantee safety because burglars choose this way more and more often.
Even with the basic equipment we therefore attach great importance to the solid safety mechanism.









SAFETY COMPONENTS

STANDARD EQUIPMENT

1 Lock tested corresponding to security class RC 2:
When closing the door the latch bolts drive 20 mm into the bolting bar via a magnetic impuls at the top and bottom of the door. Therefore the door is always closed - without re-closing with a key.

2 The main bolt can be locked with a key turn - the lever blocks for control purposes, as a child safety lock and for maximum security.

3 Continuous bolting bar:
protection against prying on the lock side

4 Cylinder with drill protection

5 5 Interior handle in stainless steel with exterior cylinder cover: serves as a pull protection for the cylinder

6 Stable roller conveyor:
triple security on the hinge side

7 Two hinge-side securities:
the opposite wedges get caught when the door is closed and offer additional protection against prying on the hinge side

8 Strong and massiv aluminium panel:
meets RC 2 requirements

ON REQUEST THE PLUS IN SAFETY

9 P4A safety glazing: One pane consists of a composite of two panes with integrated security foil. Furthermore, the glazing is glued circumferential with a special adhesive in the glass cut-out. Thus, the glass connection is secured. | Safety execution RC 2 **against surcharge**

The status *RC 2 TESTED* achieve the following front doors

- ✓ Without glass cut-out through standard equipment:
  HT A 23-201 | HT A 23-203 | HT A 23-215 | HT A 23-220 | HT A 23-221 | HT A 23-226 | HT A 23-227
- ✓ Through the use of an additional P4A protective glazing:
  HT A 23-205 | HT A 23-206 | HT A 23-207 | HT A 23-216 | HT A 23-218 | HT A 23-219

TECHNICAL DATA

MATERIAL	aluminium-wood
SYSTEM	AHT 1-95 / 3-95 with Classic- or Art-shell
GASKETS	3 pieces
GLAZING	triple glazing, with warm edge
WOOD SPECIES	pine or spruce
WOOD SURFACE	4-layer colour application, colours according to KNEER-SÜDFENSTER colour chart
ALUMINIUM SURFACE	aluminium shell powdercoated highly weather resistant door with panel in the standard colours according to aluminium colour chart (wood decors are not possible) special colours according to RAL are possible fine structur and highly weather resistant if possible
LOCK	automatic-lock as multipoint locking with daytime function, without E-opener
CYLINDER	profile cylinder with emergency and danger function, drill protection and 5 keys
HINGES	3 concealed hinges
MAX. SIZE	1150 x 2250 mm frame outer dimension
MIN. SIZE	980 x 1980 mm frame outer dimension
OTHER	patented Keilfalz on the hinge side as a prying protection

U_D-VALUE AHT 3-95 *

MODEL	CATEGORY	U_D-VALUE PINE	U_D-VALUE SPRUCE
HT A 23-220	**PREMIUM+**	0,75 W/m²K	0,71 W/m²K
HT A 23-221	**PREMIUM+**	0,75 W/m²K	0,71 W/m²K
HT A 23-226	**PREMIUM+**	0,75 W/m²K	0,71 W/m²K
HT A 23-227	**PREMIUM+**	0,75 W/m²K	0,71 W/m²K
HT A 23-201	**PREMIUM**	0,75 W/m²K	0,71 W/m²K
HT A 23-203	**PREMIUM**	0,75 W/m²K	0,71 W/m²K
HT A 23-205	**PREMIUM**	0,84 W/m²K	0,79 W/m²K
HT A 23-206	**PREMIUM**	0,84 W/m²K	0,79 W/m²K
HT A 23-207	**PREMIUM**	0,82 W/m²K	0,78 W/m²K
HT A 23-215	**PREMIUM**	0,75 W/m²K	0,71 W/m²K
HT A 23-216	**PREMIUM**	0,86 W/m²K	0,81 W/m²K
HT A 23-218	**PREMIUM**	0,84 W/m²K	0,79 W/m²K
HT A 23-219	**PREMIUM**	0,81 W/m²K	0,77 W/m²K
HT A 23-701	**BASIC+**	0,84 W/m²K	0,79 W/m²K
HT A 23-702	**BASIC+**	0,88 W/m²K	0,84 W/m²K

U_D-VALUE AHT 3-95 *

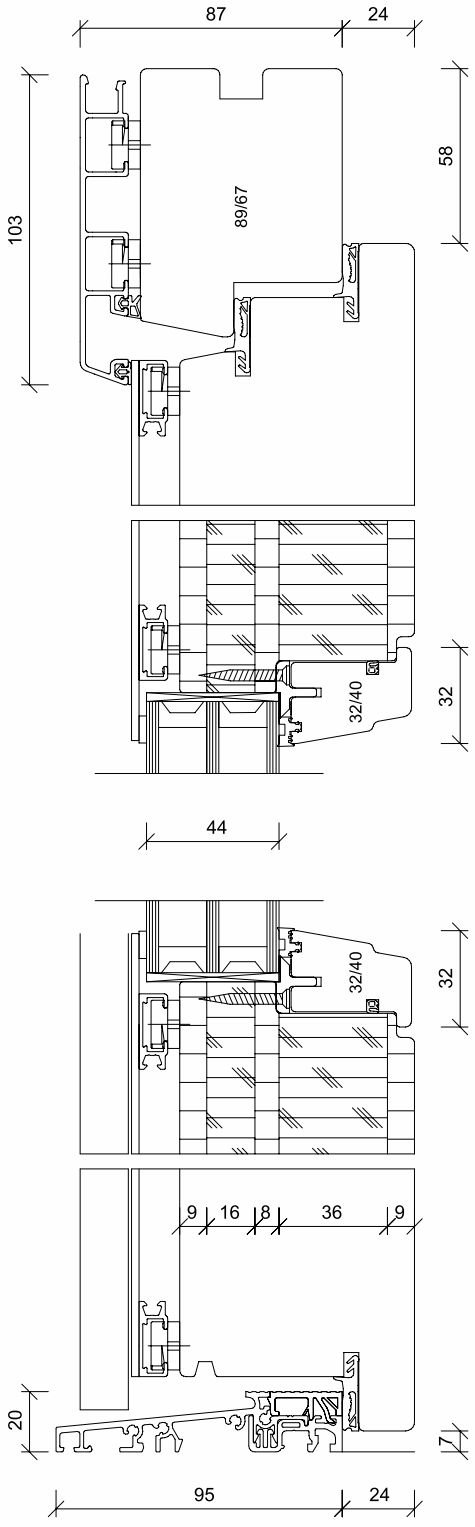
MODEL	CATEGORY	U_D-VALUE PINE	U_D-VALUE SPRUCE
HT A 23-703	**BASIC+**	0,85 W/m²K	0,81 W/m²K
HT A 23-705	**BASIC+**	0,83 W/m²K	0,79 W/m²K
HT A 23-706	**BASIC+**	0,83 W/m²K	0,79 W/m²K
HT A 23-707	**BASIC+**	0,75 W/m²K	0,71 W/m²K
HT A 23-709	**BASIC+**	0,75 W/m²K	0,71 W/m²K
HT A 23-710	**BASIC+**	0,86 W/m²K	0,82 W/m²K

U_D-VALUE AHT 1-95 *

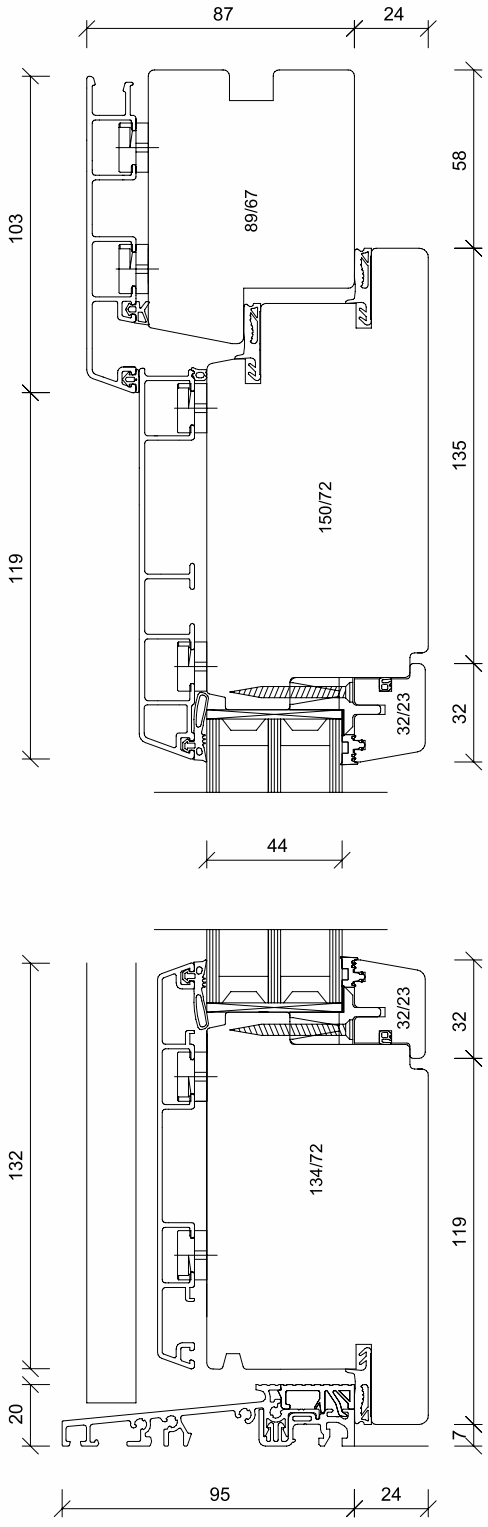
MODEL	CATEGORY	U_D-VALUE PINE	U_D-VALUE SPRUCE
HT A 23-127	**BASIC**	0,97 W/m²K	0,92 W/m²K
HT A 23-128	**BASIC**	1,0 W/m²K	0,97 W/m²K
HT A 23-129	**BASIC**	1,1 W/m²K	1,0 W/m²K
HT A 23-130	**BASIC**	1,1 W/m²K	1,0 W/m²K

* Calculation basis U_D-value according to DIN EN ISO 10077-1 (door size 1230 x 2180 mm)

AHT 3-95



AHT 1-95



TECHNICAL DATA

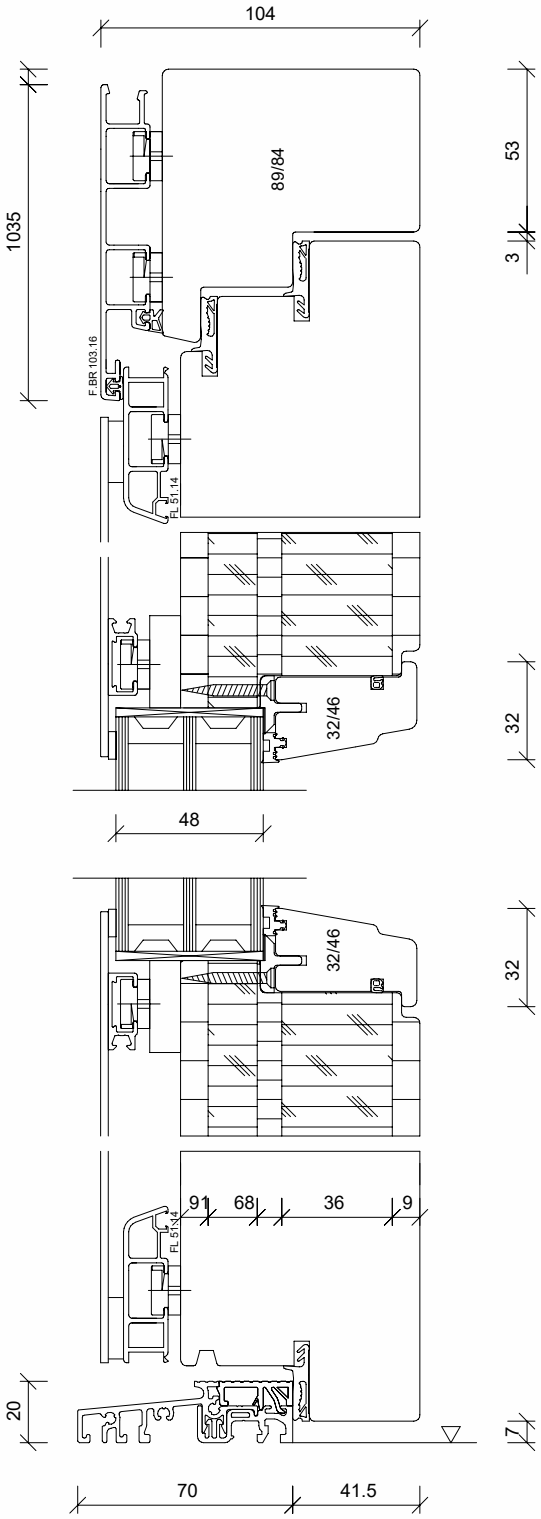
MATERIAL	aluminium-wood
SYSTEM	AHT 3-105 Modern (system cannot be selected at **BASIC** and **BASIC⁺**)
GASKETS	3 pieces
GLAZING	triple glazing, with warm edge
WOOD SPECIES	pine or spruce
WOOD SURFACE	4-layer colour application, colours according to KNEER-SÜDFENSTER colour chart
ALUMINIUM SURFACE	aluminium shell powdercoated highly weather resistant door with panel in the standard colours according to aluminium colour chart (wood decors are not possible) special colours according to RAL are possible fine structur and highly weather resistant if possible
LOCK	automatic-lock as multipoint locking with daytime function, without E-opener
CYLINDER	profile cylinder with emergency and danger function, drill protection and 5 keys
HINGES	3 concealed hinges
MAX. SIZE	1150 x 2250 mm frame outer dimension
MIN. SIZE	980 x 1980 mm frame outer dimension

U_D-VALUE AHT 3-105 MODERN *

MODEL	CATEGORY	U_D-VALUE PINE	U_D-VALUE SPRUCE
HT A 23-220	**PREMIUM⁺**	0,78 W/m²K	0,73 W/m²K
HT A 23-221	**PREMIUM⁺**	0,78 W/m²K	0,73 W/m²K
HT A 23-226	**PREMIUM⁺**	0,78 W/m²K	0,73 W/m²K
HT A 23-227	**PREMIUM⁺**	0,78 W/m²K	0,73 W/m²K
HT A 23-201	**PREMIUM**	0,78 W/m²K	0,73 W/m²K
HT A 23-203	**PREMIUM**	0,78 W/m²K	0,73 W/m²K
HT A 23-205	**PREMIUM**	0,85 W/m²K	0,80 W/m²K
HT A 23-206	**PREMIUM**	0,85 W/m²K	0,80 W/m²K
HT A 23-207	**PREMIUM**	0,84 W/m²K	0,80 W/m²K
HT A 23-215	**PREMIUM**	0,78 W/m²K	0,73 W/m²K
HT A 23-216	**PREMIUM**	0,86 W/m²K	0,81 W/m²K
HT A 23-218	**PREMIUM**	0,85 W/m²K	0,81 W/m²K
HT A 23-219	**PREMIUM**	0,83 W/m²K	0,79 W/m²K

* Calculation basis U_D-value according to DIN EN ISO 10077-1 (door size 1230 x 2180 mm)

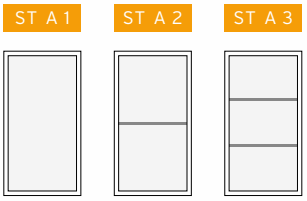
AHT 3-105 MODERN



ALSO AVAILABLE

SIDE LIGHTS

ST A 1, ST A 2 and ST A 3 possible (max. width 910 mm)



GLAZING

VSG 6 mm

SYSTEM

Entrance door system AHT 3-115	ineligible by Basic +
Entrance door system AHT 3-105 Modern	ineligible by Basic +
Side light AHT 3-115/AHT 3-105 Modern	ineligible by Basic +

ACCESS OPTIONS

Electric opener

Automatic lock as multipoint locking with M-Opener

Full motorized lock without adaptor

SECURITY / MISCELLANEOUS

Safety execution RC 2 for entrance door

Safety execution RC 2 for side lights

Mirror on the inside of the entrance door

LED lighting HT A 23-215

Sandblasted glass with clear edge or clear stripes
(entrance door and/or side light) per door or side light

COLOURS

pg 1-2	included in the basic price
pg 3-5	

NOTE

There might be slight deviations in colour due to printing process.

MODEL OVERVIEW

HT A 23-220
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HT A 23-221
› *page 6*

HT A 23-226
› *page 8*

HT A 23-227
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HT A 23-215
› *page 12*

HT A 23-219
› *page 12*

HT A 23-205
› *page 14*

HT A 23-206
› *page 14*

HT A 23-216
› *page 14*

HT A 23-218
› *page 14*

HT A 23-201
› *page 16*

HT A 23-203
› *page 16*

HT A 23-207
› *page 16*

HT A 23-701
› *page 18*

HT A 23-702
› *page 18*

HT A 23-703
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HT A 23-705
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HT A 23-130
› *page 21*

KNEER · SÜD
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