



HIGH **QUALITY**

**INNOVATIVE** PRODUCTS

**RELIABLE** PARTNER

LARGE **VARIETY OF COLOURS**

**SHORT** DECISION-MAKING PATHS

**OWN** PRODUCTION

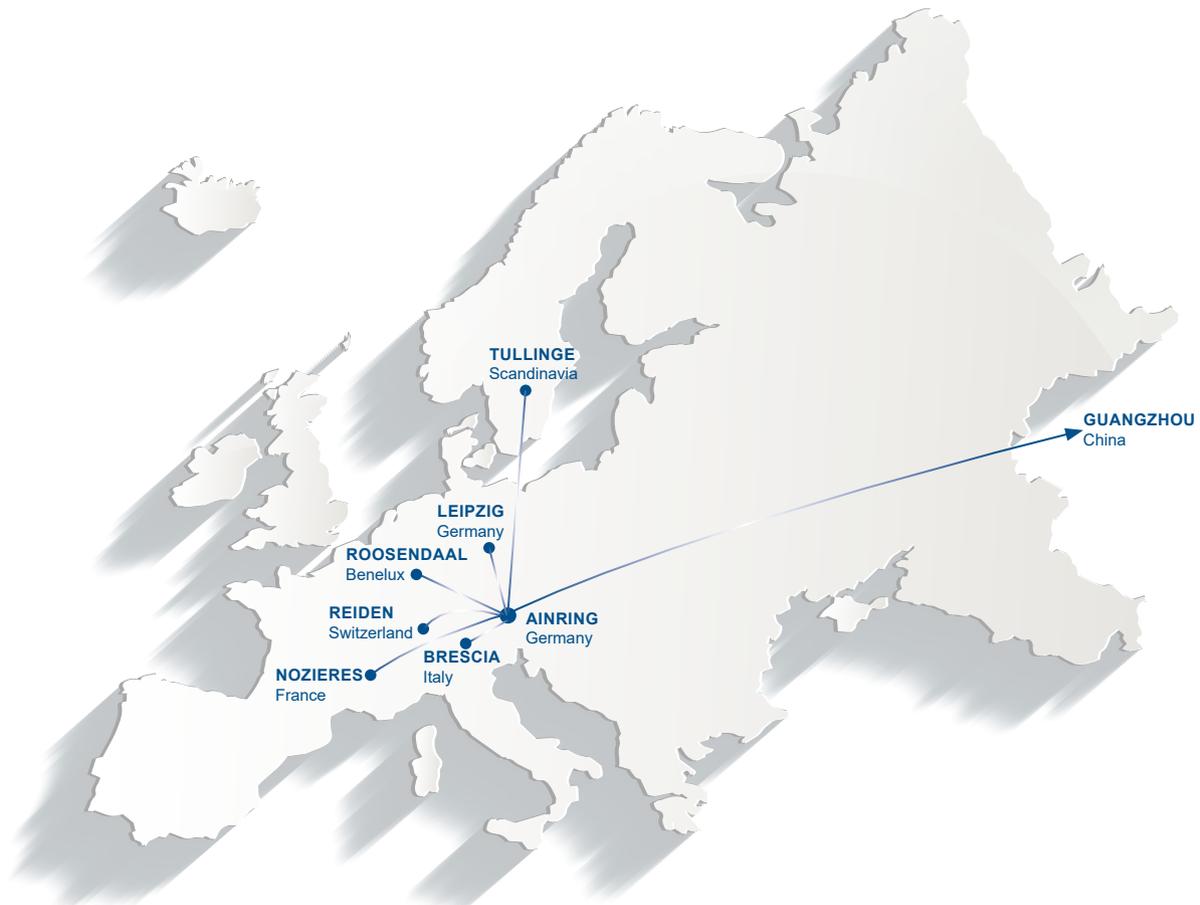


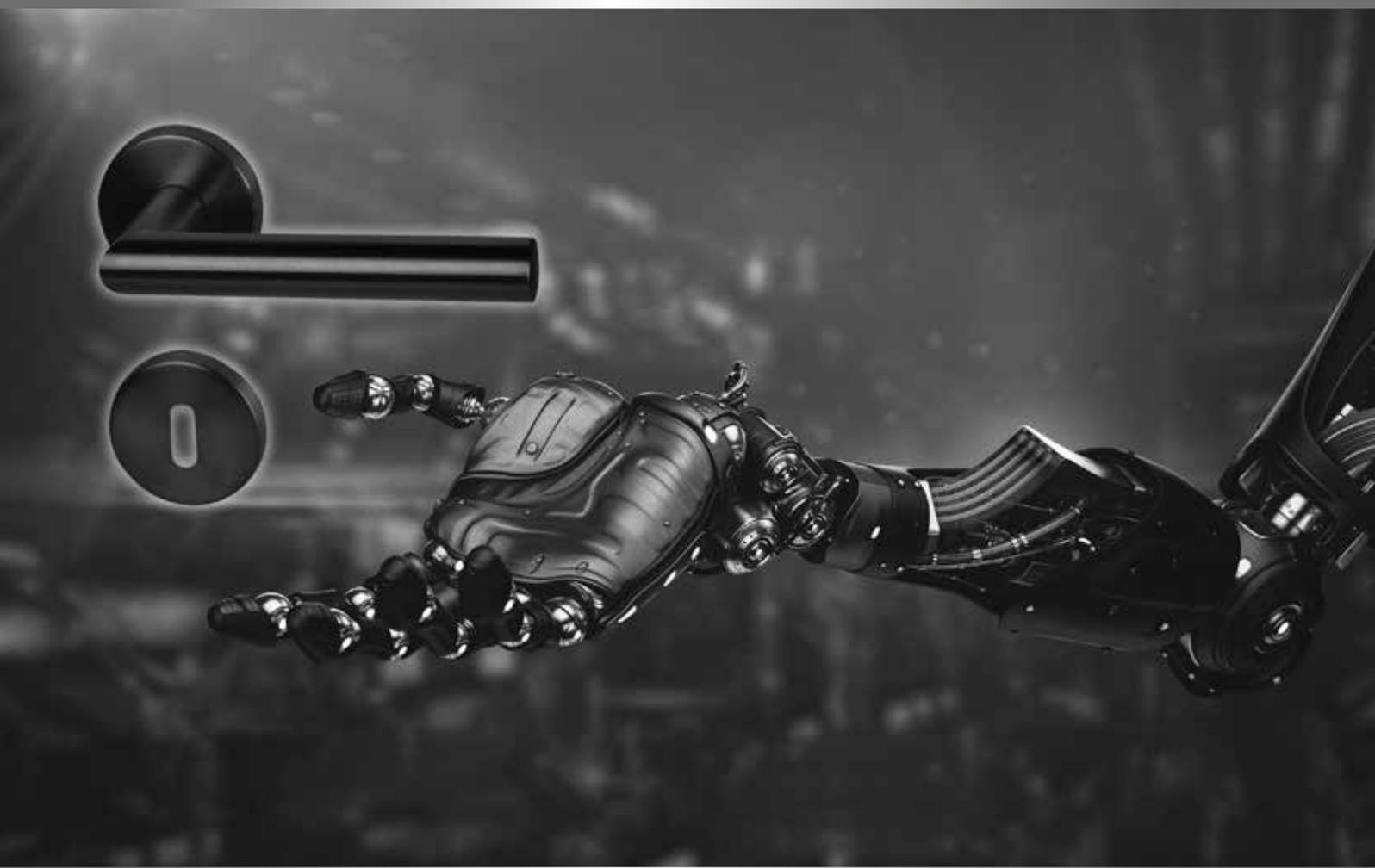


## A family business since 1995

Südmittel is an independent family company and is also managed by the family members.

This is the guarantee for a high level of solidarity with the company, customers, employees and guarantees short and flexible decision-making paths.







# PRODUCT FAMILIES

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# DOOR HANDLE STAINLESS STEEL

---



ELENA  
750



SYBILLE  
751



ROYAL  
752



LIGNES  
753



ALASKA  
754



ZOE  
200



ERIKA  
202



KATY  
204



CINTRE  
206



ARENA  
757



MALIBU  
303



GALINA II  
101



GALINA II SQUARE  
304



RONNY  
100



HANNA  
102



KATRIN  
106



# DOOR HANDLE STAINLESS STEEL

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BETTA  
105



PAULA  
103



PATRIK  
108



SIRIUS  
302



MADRID  
300

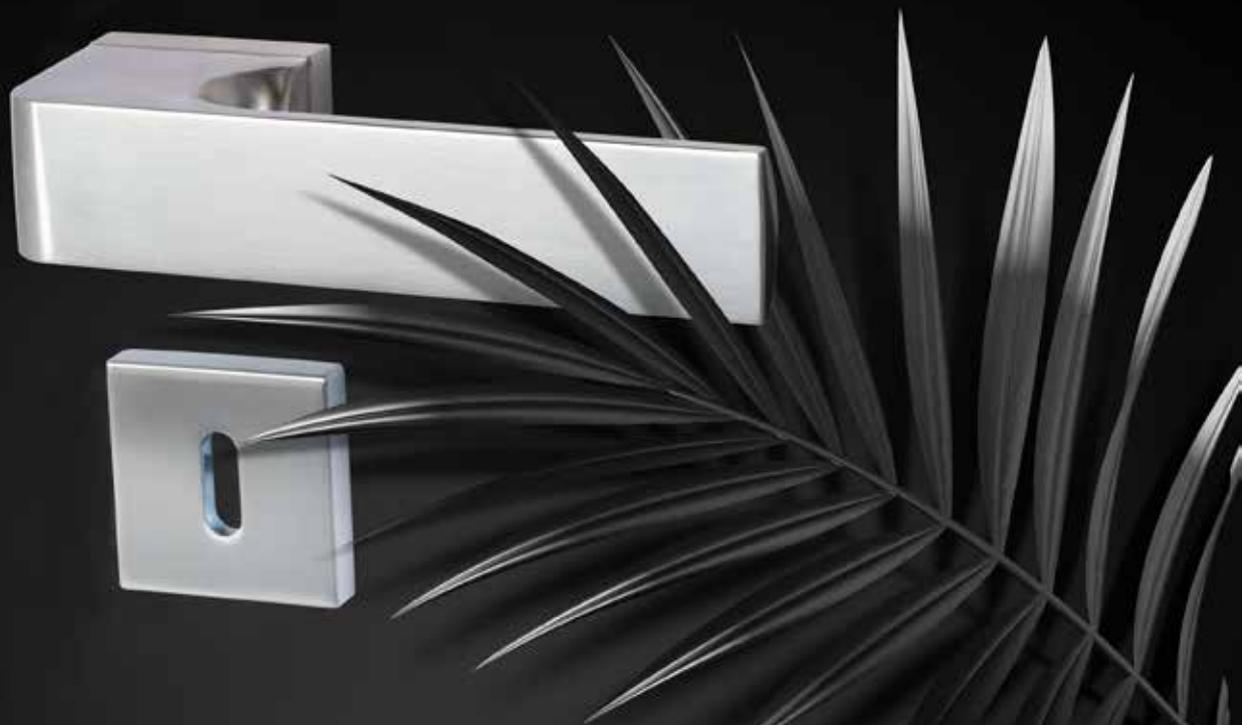


JILL  
110



LISA  
111





PRESTIGE  
777



PRESTIGE  
777



GLORY  
776



GLORY  
776



PYRAMIDE  
700



PYRAMIDE  
700



PARIS  
701



PARIS  
701



# DOOR HANDLE BRASS



PARIS  
701



PARIS  
701



PARIS  
701



CANTO  
702



CANTO SQUARE  
702



CENTURIO SQUARE  
703



ALASKA  
754



ALASKA  
754



ALASKA  
754



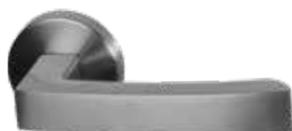
OSLO  
704



OSLO  
704



ATLANTA  
705



PHÖNIX  
706



LOUISIANA  
707



ROYAL  
708



GODZILLA  
710

# DOOR HANDLE BRASS

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GODZILLA POINT  
711



MIRIAM  
715



NATHALIE  
713



ARENA  
757



ARENA  
757



ARENA  
757



ARENA  
757



RONNY  
100



GALINA  
304



FRANCA  
715



FRANCA  
715



LINDA  
717



LINDA  
717



LINDA  
717



SCARLET  
902



SCARLET  
902



# DOOR HANDLE BRASS



SCARLET  
902



SCARLET  
902



MOUNT EVEREST  
903



MOUNT EVEREST  
903



MOUNT EVEREST  
903



MOUNT EVEREST  
903



MOUNT EVEREST  
903



MOUNT EVEREST  
903



MOUNT EVEREST  
903



MOUNT EVEREST  
903



NEBRASKA  
906



NEBRASKA  
906



NEBRASKA  
906



MONTANA  
907



MONTANA  
907



MONTANA  
907





# WINDOW HANDLES STAINLESS STEEL



ERIKA  
202



KATY  
204



CINTRE  
206



ARENA  
757



MALIBU  
303



GALINA  
101



RONNY  
100



HANNA  
102



KATRIN  
106



PAULA  
103



PATRIK  
107



SIRIUS  
302



MADRID  
300



JILL  
110



MORGAN  
301



RONNY



PAULA

# WINDOW HANDLES BRASS

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PYRAMIDE  
700



PYRAMIDE  
700



PARIS  
701



PARIS  
701



PARIS  
701



PARIS  
701



PARIS  
701



PARIS  
701



CANTO  
702



CANTO  
702



ALASKA  
754



ALASKA  
754



ALASKA  
754



ALASKA  
754



OSLO  
704



OSLO  
704



ATLANTA  
705



PHÖNIX  
706



# WINDOW HANDLES BRASS



ROYAL  
752



ARENA  
757



ARENA  
757



ARENA  
757



ARENA  
757



ARENA  
757



LINDA  
717



LINDA  
717



LINDA  
717



LINDA  
717



SCARLET  
902



SCARLET  
902



SCARLET  
902



SCARLET  
902



MOUNT EVEREST  
903



MOUNT EVEREST  
903



MOUNT EVEREST  
903



MOUNT EVEREST  
903





# WINDOW HANDLES BRASS



MOUNT EVEREST  
903



MOUNT EVEREST  
903



MOUNT EVEREST  
903



MOUNT EVEREST  
903



MOUNT EVEREST  
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MOUNT EVEREST  
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MOUNT EVEREST  
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MOUNT EVEREST  
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MOUNT EVEREST  
903



MOUNT EVEREST  
903



MOUNT EVEREST  
903



MOUNT EVEREST  
903



NEBRASKA  
906



NEBRASKA  
906



NEBRASKA  
906



MONTANA  
907

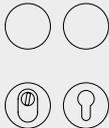
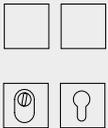
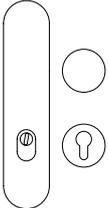
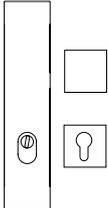
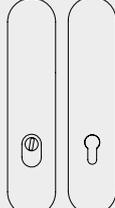
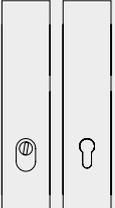


MONTANA  
907



MONTANA  
907

# PROTECTION FITTINGS

		 <p>SICRUA ROSETTE (XXX.70)</p>	 <p>SICURA SQUARE ROSETTE (XXX.60)</p>	 <p>SICRUA COMBI (XXX.91)</p>	 <p>SICURA SQUARE COMBI (XXX.81)</p>	 <p>SICURA (XXX.90)</p>	 <p>SICURA SQUARE (XXX.80)</p>
<b>ES 1</b>	<b>WB 2</b>	X	X	X	X	X	X
<b>ES 2</b>	<b>WB 3</b>					X	X
<b>ES 3</b>	<b>WB 4</b>					X	X

- EN 179 POSSIBLE 

- ALSO AVAILABLE WITHOUT CORE PULLING PROTECTION / CYLINDER COVER AVAILABLE AND APPROVED

- ALL FITTINGS TESTED FOR FIRE PROTECTION 





# PROTECTION FITTINGS

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SICURA ROSETTE  
(XXX.70)



SICURA COMBI  
(XXX.91)



SICURA  
(XXX.90)



SICURA SQUARE ROSETTE  
(XXX.60)



SICURA SQUARE COMBI  
(XXX.81)



SICURA SQUARE  
(XXX.80)

# PUSHING GRIPS

---



RONNY II  
1000



T II  
1001



SAN PANTALEO  
1002



SAN PAOLO  
1003



KOS  
1004



KORFU  
1015



LOCKABLE  
1005



LOCKABLE  
1006



STOSSGRIFF  
1007



KRK  
1008



RHODOS  
1009



KRETA II  
1020



RAB  
1010



SAN MICHAELE  
1011



SAN NICOLA  
1012



SAN DOMINO  
1013



SAN SERVOLO  
1014



SANTORIN  
1025



# PUSHING GRIPS



KOSIKA  
1016



ELBA  
1017



ZYPERN  
1018



MALTA  
1019



MALLORCA  
1026



MYKONOS  
1024



ISCHIA  
1021

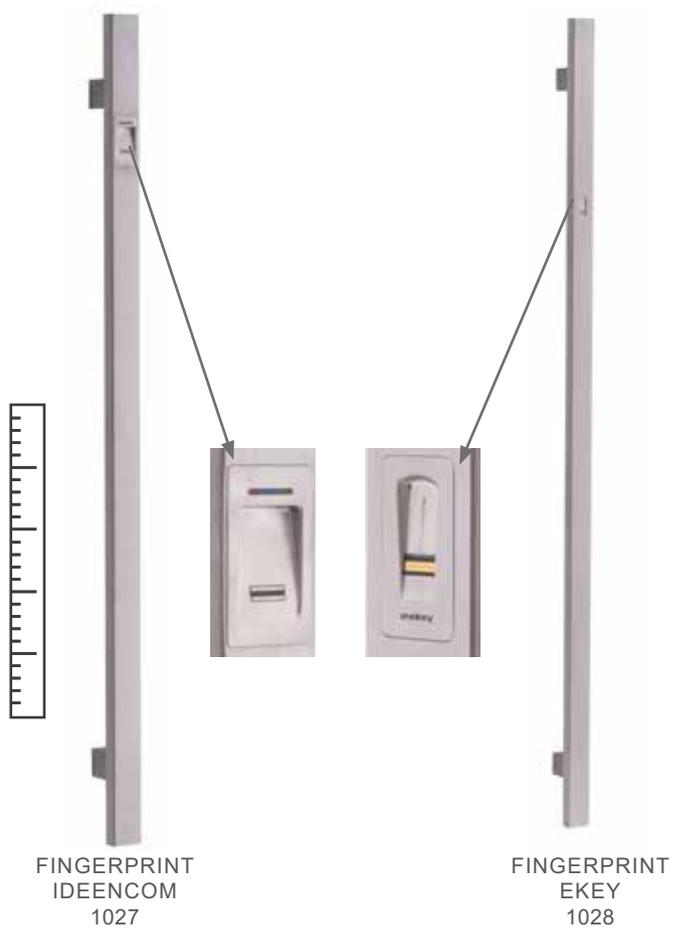


SAMOS  
1022



ARENA  
1023

Lots of pushing  
grips available on  
demand!



FINGERPRINT  
IDEENCOM  
1027

FINGERPRINT  
EKEY  
1028

# TUBULAR FRAME FITTING

---



GALINA II  
101



RONNY II  
100



HANNA  
102



KATRIN  
106



PAULA III  
103



PATRIK III  
107



SIRIUS  
302



MADRID  
300



CINTRE  
206



ARENA  
757



ARENA  
757



ARENA  
757



ROYAL  
752



HANNA SP  
102



PAULA III SP  
103



# ACCESSORIES

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## DOOR STOPPER



1201 - 3342 - 11



1202 - 3039 - 11



1203 - 3040 - 11



1204 - 3051 - 11



1205 - 3839 - 11



1206 - 6522 - 11



1207 - 4525 - 11



1230 - 5088 - 11



1250 - 4010 - 90

## NAMEPLATE / DOOR VIEWER



1260 - 11



1265 - 74

# WIRELESS - SECURITY LOCKS

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## WIRELESS SECURITY LOCKS MANUFACTURED IN OWN PRODUCTION **MADE IN GERMANY**



ÜLOCK B-INDUCTIVE



- ✓ External door handle electrically engageable
- ✓ Panic function
- ✓ Self-locking, whisper lock 20 mm (stainless steel)
- ✓ Radio and electronics protected in lock case
- ✓ Control via various identification devices possible
- ✓ Radio frequency: 868.3 MHz / encryption AES 128
- ✓ Inductive energy transfer - no battery change and no wiring of the door leaf required
- ✓ Premium incl. certificates: EN 179 / EN 1125  
EN 1634-1 / EN 14846 (available on request)
- ✓ Fitting independent

### OTHER POSSIBLE VERSIONS:



ÜLOCK B-CABLE



ÜLOCK B-BATTERY



# ACCESS SOLUTION IN BUILDINGS

## THE CONVENIENT SOLUTION FOR THE KEYLESS ENTRY IN BUILDINGS

Premium wireless security locks ÜLock in combination with the software ÜManagement guarantee a high level of security and easy administration of entry authorizations in objects of any kind.

- ▶ Manipulation-protected mechanically and electrically
- ▶ Communication between lock and RFID reader via Radio - AES 128 encryption
- ▶ Always locked by automatic self-locking of the ÜLock lock
- ▶ The design of an object remains completely untouched:  
Free choice of hardware according to the design requirements of the object
- ▶ Various colour and lighting options for a harmonious appearance

### PRODUCT FEATURES ÜMANAGEMENT SOFTWARE:

- ▶ Simple structuring of users into groups
- ▶ Access authorisations can be defined in terms of time
- ▶ Access on card system, therefore no cabling necessary
- ▶ Credit function e.g. for meeting rooms, fitness rooms etc..
- ▶ Day/night function (permanently open) e.g. for entrance doors



# SURFACE STAINLESS STEEL

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In 1821, the French geologist and mineralogist Pierre Berthier discovered that through the intervention of **Chromium for steel a corrosion-resistant steel - Stainless steel is created.** However, the technological implementation was still not so far at this point, because the alloy was too brittle.

Eduard Maurer, a German chemist and metallurgist and Benno Strauß, a technician and philosopher, developed the alloy for Krupp AG, who also patented that alloy. **The brand name Nirosta (= not rusty steel) was born.**

The special advantage in the fittings industry is **the multifunctional possibility of further processing**, as to stainless steel mirror polished or PVD coated. In this way, **every imaginable design can be realized with this product.**



The **different types of alloys** allow for give the material different properties and are divided into two larger groups

## **A2:**

**Qualities:** Good for welding, very hard, rust and acid resistant, good polishing ability, especially good deformation during processing

**Applications:** Food industry, pharmaceutical and cosmetic industry, surgical instruments, household appliances, architecture etc.

## **A4:**

Much like A2, but additionally with 2 % molybdenum (Mo), which makes this steel more resistant to corrosion by chloride containing media salt water, swimming pools, tunnel construction, chemical industry etc.





Robusta refers to the premium surface treatment  **Protec Finishing (PVD)**.

Protec Finishing, or also Physical called Vapor Deposition (PVD), is a process under which **the surface is coated with metal compounds in a high-vacuum environment.**



PVD surfaces have a extremely attractive appearance and are available **in merous different colour variants.**

ROBUSTA door fittings are a highlight in every building. They are **particularly durable and wear-resistant** - therefore also optimal for public facilities with high visitor frequency, the installation in baths and ideal for use in outdoor use, especially in coastal areas with salty sea air and high solar radiation. Also well-known luxury brands use this unique surface for the refinement of their products (e.g. for jewellery, handbags and silverware).



**A special type of PVD is ABACO** (antimicrobial coating see page 29).



## **ADVANTAGES:**

- **Twice as hard as chrome** (HV 2500/3000 Vickers), therefore particularly wear-resistant
- **Resistant to salt spray for over 2000 hours** without any changes to the surface (ISO 9227 ASTMB117 DIN50021)
- **Unlimited resistance to hydrochloric acid**
- Unlimited resistance to solvents (test carried out with MKF = Methylathylketone)
- Unlimited resistance to specific limescalers and all products used for surface cleaning in baths
- Light resistance of the colour without alteration (UNI9397) over 2400 hours



## **AVAILABLE IN THE COLOURS:**

- 13 Satin stainless steel
- 74 Chrome polished
- 20 Polished brass
- 51 Robusta polished copper
- 52 Robusta satin copper





ABACO is a **special antimicrobial coating**, which is produced by combining PVD with a special nanotechnology. This is where there is a molecular deposition of silver and nanoparticles directly in the carrier material. **Silver has an antimicrobial effect**, it destroys the cell membrane of germs, they die and become harmless.

PVD is a **premium surface treatment**, which ensures that ABACO is able to maintain its **effectiveness even under extreme use**.

The effect of ABACO has been proven by several laboratory tests of the University of Navarra (Spain) and the University of Brescia (Italy) - Department Molecular and translational medicine. **No precautionary measures are required for the daily use of ABACO products.** The surface is designed for contact with people so it is completely harmless. (You are welcome to inspect those certificates).

## ADVANTAGES:

### 1. RECORD-BREAKING TIME

ABACO guarantees a **hygienic handle surface** in a record breaking time of only five minutes. **That means that disease-causing bacteria can be killed off in this time.** The bacteriostatic function prevents the bacteria from spreading from the first contact with ABACO.

### 2. LONGEVITY – 20 YEARS WARRANTY

ABACO is characterised by **extraordinary robustness and durability. The anti-bacterial effectiveness is even intensified by increasing use** during the product life cycle. Südmittel guarantees this for **twenty years** (see guarantee conditions).

### 3. DESIGN

Through the application of **PVD** in the production **there are many possibilities for the design.** ABACO fittings (e.g: door handle, WC locks, bar handles, ...) are in the colours stainless steel, chrome and Robusta Gold available.

## AVAILABLE IN THE COLOURS:

- 80 Satin stainless steel Abaco
- 81 Chrome polished Abaco
- 82 Gold polished Abaco

# SURFACE HIGH COAT



This manufacturing process consists of four steps and is performed under the most strict quality standards. The production takes place in a fully automated facility, which guarantee a constant quality for all items.

**1. Washing:** The workpieces are cleaned and degreased with solvent-free, environmentally friendly water-based products



**2. Pretreatments:** At this stage numerous treatments which are important for the optic, corrosion resistance and for the adhesion of the paint are performed.

**3. Cathaphoretic painting:** Even work pieces with complex shapes can be painted - the reason for this is the high penetration capacity of this painting process. A complete covering of the surface as well as a uniformity of thickness can always be guaranteed.



**4. Drying and polymerising:** At this phase the paint is dried and then „burned“. Thereby the polymerisation of the resin begins. Excellent quality criteria in terms of hardness, transparency, etc. are the result.

## ADVANTAGES:

- While keeping their strength workpieces **with complex moulds** are lacquered
- **Increased paint adhesion**
- Easy control of the thickness of the applied paint
- High degree of automation of the process, **thereby guaranteed uniformity of results** of the total production
- **High corrosion resistance**
- Low environmental impact
- **5 years surface warranty**



## PAINT THICKNESS (MICRON)

<b>High Coat</b>	<b>dip coating</b>
15	2

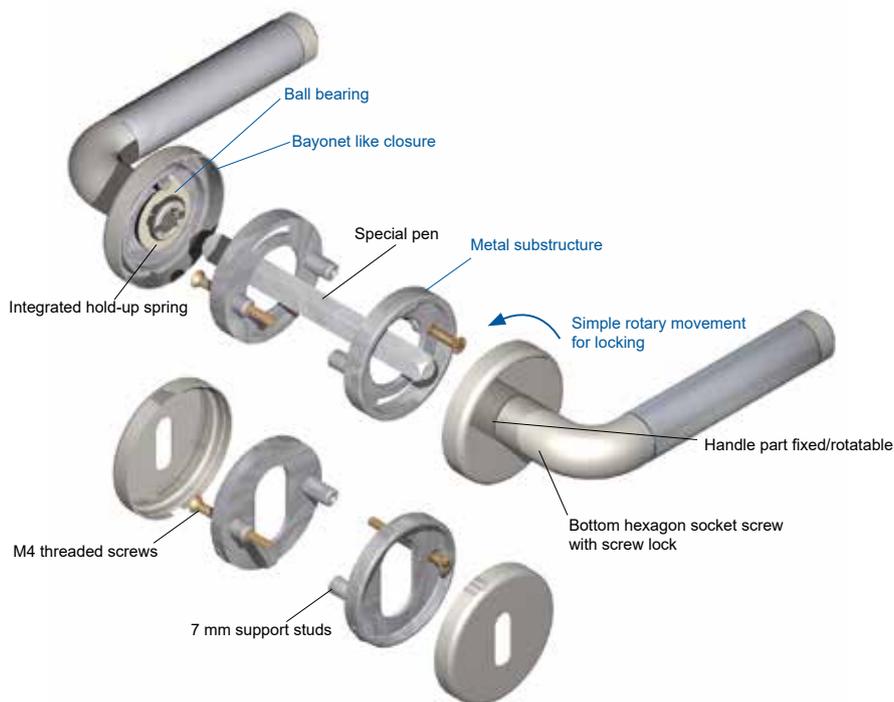
## MEASURED HARDNESS IN H

<b>High Coat</b>	<b>dip coating</b>
4 H	HB

## CORROSION RESISTANCE

<b>High Coat</b>	<b>dip coating</b>
>1500	120

# SYSTEM TOP SPEED BALL BEARING



- ✓ **1.200.000** tested handle operations
- ✓ **Ball bearing**
- ✓ Stable **metal substructure**
- ✓ **Retaining spring**
- ✓ **Quick and easy installation** due to the patented Top Speed System (bayonet lock system)
- ✓ Screws with **thread lock**
- ✓ M6 hexagon socket screw with screw lock for optimal connection between lever handle and lever pin
- ✓ **All versions possible** (OB, PC, change set, fire protection and panic)
- ✓ **Large selection of door handle designs**
- ✓ **Large selection** of door handle finishes on the **surface**
- ✓ **Environmentally friendly** packaging (only cardboard)
- ✓ **EN 1906: 4/7/-/B1/1/4/0/A/B**

Possible rosette shapes:

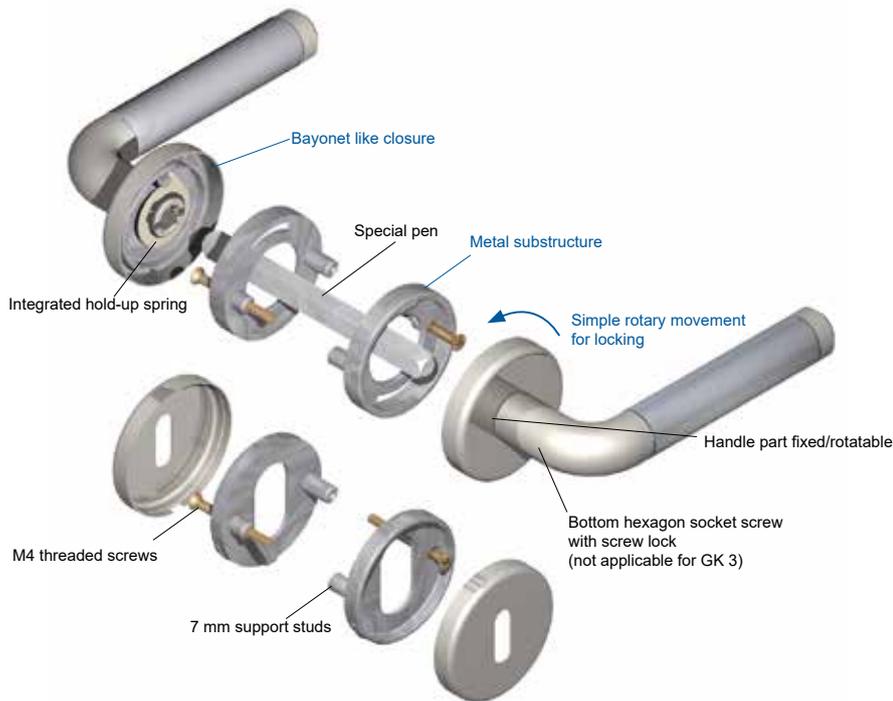


Ø 55 mm,  
height 10 mm



□ 54 mm,  
height 10 mm

# SYSTEM TOP SPEED



- ✓ **200.000** tested door handle operations
- ✓ Stable **metal substructure**
- ✓ **High retention spring** standard
- ✓ **Quick and easy installation** due to the patented Top Speed System (bayonet lock system)
- ✓ Screws with **thread lock**
- ✓ M6 hexagon socket screw with screw lock for optimal connection between door handle and handle pin (GK 4)
- ✓ **All versions possible** (OB, PC, change set, fire protection)
- ✓ **Large selection of door handles - designs**
- ✓ **Environmentally friendly** packaging (only cardboard)
- ✓ **EN 1906: 4/7/-/B1/1/4/0/A/B**

Possible rosette shapes:



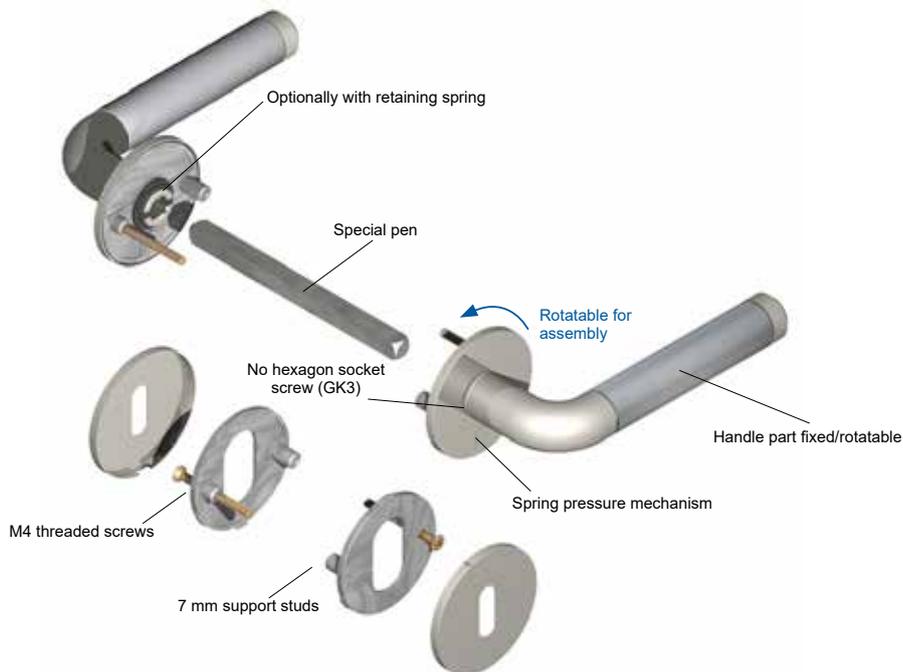
Ø 55 mm,  
height 10 mm



□ 54 mm,  
height 10 mm



74 x 34 mm,  
height 10 mm



- ✓ **200.000** tested door handle operations
- ✓ Stable **metal substructure**
- ✓ **Retaining spring optional**
- ✓ **Flush mounting** possible
- ✓ Screws with **thread lock**
- ✓ **No hexagon socket screw**
- ✓ **All versions possible** (OB, PC, change set, fire protection)
- ✓ **Large selection of door handles - designs**
- ✓ **Environmentally friendly** packaging (only cardboard)
- ✓ **EN 1906:** 4 (3)/7/-/0/0/4/0/0(B)

Possible rosette shapes:



Ø 55 mm,  
height 4 mm

This standard defines performance parameters. The fittings are put through a test procedure regarding their load in order to be able to classify them into one of 4 categories of use. These categories are according to the expected field of application.

**Category 1** (e.g. interior doors of residential buildings): Medium Frequency of use by persons who, in principle handle fittings with care and from which there is a low risk of incorrect use.

**Category 2** (e.g. interior doors in office buildings): Medium frequency of use by persons who are basically careful with fittings and who have a certain amount of experience with the use of such fittings. There is a risk of incorrect application.

For this purpose, a classification system for the comparability of the fittings was introduced. Dimensions are not taken into account.

**Category 3** (e.g. doors in office buildings open to the public): Frequent use by persons who are not likely to handle fittings with care. These have a high risk of incorrect application.

**Kategorie 4** (e.g. hospitals, sports stadiums, schools): Maximum frequency of use by a large number of people. The risk of frequent damage by violence is high.

**The requirements for the fittings are classified according to these 4 categories. Fittings tested according to DIN EN 1906 must be marked with an 8-digit classification key (see table).**

1st digit	Possible classes	Meaning of the classes	
Use category	1 to 4	See description above	
2nd digit	Possible classes	Meaning of the classes	
Durability	6 or 7	6 = 100,000 test cycles	7 = 200,000 test cycles
3rd digit	Possible classes	Meaning of the classes	
Not used	Not used		
4th digit	Possible classes	Meaning of the classes	
Fire resistance	0 or 1	0 = not permitted on fire and smoke doors	1 = suitable for fire and smoke doors
5th digit	Possible classes	Meaning of the classes	
Safety*	0 or 1	0 = for normal purposes	1 = for safety requirements
6th digit	Possible classes	Meaning of the classes	
Corrosion resistance	0 to 4	0 = no specified corrosion resistance 1 = low corrosion resistance 2 = moderate corrosion resistance	3 = high corrosion resistance 4 = extremely high corrosion resistance
7th digit	Possible classes	Meaning of the classes	
Burglar-proof	0 to 4	0 = not burglar-proof 1 = low burglary resistance 2 = moderately burglar-resistant	3 = highly burglar-resistant 4 = extremely strong burglary resistance
8th digit	Possible classes	Meaning of the classes	
Design type	A, B or U	A = with spring support    B = with spring preload	U = without spring support



## Zertifikat

Zertifikatsnummer: 79 1IFT-8008783-1-4

**Umfang**  
Qualitätsmanagementsystem DIN EN ISO 9001:2015

**Unternehmen**  
**Süd-Metall Beschläge GmbH**  
Sägewerkstr. 5  
D - 83404 Ainring

**Geltungsbereich**  
Entwicklung, Produktion und Vertrieb von  
**Qualitäts-Baubeschlägen sowie Halbfertigteilen aus  
Edelstahl, Messing, Aluminium und Schmiedeeisen**

**Zweckbereich**                      **Zweckstellen/Bestimmungen**

**Grundlagen**  
Im Zertifizierungsaudit wurde der Nachweis erbracht, dass das Unternehmen ein Qualitätsmanagementsystem entsprechend DIN EN ISO 9001:2015 „Qualitätsmanagementsysteme-Anforderungen“ eingeführt hat und anwendet.

Prof. Ulrich Engelmann  
 Institut für  
 ift Rosenheim  
 01. April 2019

Christian Kahner  
 Leiter der ift-Zertifizierungs- und Überwachungsstelle

Zertifizierungsaudit: November 2013  
Verkaufszustand: 799 8008783  
Gültig bis: 31. März 2022

**Grundlagen(\*)**  
ISO 9001

**Gültigkeit**  
Die Gültigkeitsdauer des Zertifikats beträgt drei Jahre. In diesem Zeit wird die Firma durch jährlich stattfindende Audits überwacht. Das Zertifikat ist nur in Verbindung mit dem entsprechenden Zertifizierungs- und Überwachungsprotokoll gültig. Alle Änderungen der Voraussetzungen für die Zertifizierung sind dem ift-Zert mit dem erforderlichen Nachweis unmissverständlich schriftlich anzudeuten.

**Verpflichtungserklärung**  
Das Zertifikat darf nur unter den unten angegebenen Bedingungen verwendet werden. Es gelten die Bestimmungen der „Allgemeinen Bedingungen für die Zertifizierung von Managementsystemen“.

Das Unternehmen ist bereitwillig, das ift-Zertifizierungs-Zeichen gemäß der ift-Zertifizierung zu nutzen.

www.ift-rosenheim.de

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Führung und Überwachung des ISO 9001:2015  
Standard - (DIN EN ISO 9001:2015)  
Zertifizierung Produkte - (DIN EN ISO 9001:2015)  
Zertifizierung Managementsysteme - (DIN EN ISO 9001:2015)

Vertrieb: Europ. 800  
www.ift.de



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