



SAN-Antimicrobial components







TWO COMPANIES ONE WORLD OF STANDARD PARTS



ELESA+GANTER is a worldwide sales joint-venture set-up to offer the widest product range of standard machine elements for the mechanical industry. Highly reliable products ensuring perfect functionality with a unique design represents the ELESA+GANTER distinctive quality code.

DESIGNED FOR ENGINEERING

Designing and manufacturing technical solutions for the mechanical industry represent the achievement and the commitment of Elesa and Ganter.

A guarantee for leading-edge benefits for the customers.



POINTS OF STRENGTH

- Technological background from the two established parent companies
- Innovation in combination with decades of experience
- Unique design
- Optimised and widest product range of standard machine elements, driven by the market
- Worldwide distribution network
- Full stock availability with fast delivery times
- Customised solutions
- Perfect service including technical assistance



SAN-ANTIMICROBIAL TECHNOPOLYMER COMPONENTS

Technopolymer with silver ion additives















SAN-ANTIBACTERIAL METAL COMPONENTS

Powder coating based on zinc molybdate



Technopolymer Components

Components in a special technopolymer with silver ion additives on an inorganic base (without active pharmaceutical ingredients, antibiotics or pesticides) which prevents the proliferation of unhealthy organisms such as microbes, bacteria and fungi by penetrating the surface of the cells and attacking their DNA.



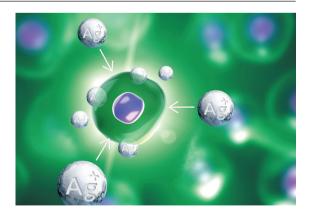
SAN - Antimicrobial products are available in technopolymer RAL 7021 grey-black or in the new RAL 9016 white colours. The laser-engraved logo is clearly recognisable on the matte surface.



Elesa+Ganter has recently enlarged its technopolymer SAN-Antimicrobial line with the aim to offer a solution to a problem of great importance that countries around the world are facing: antibiotics resistance. This phenomenon occurs when microorganisms resist to antimicrobial drug activities, thus exposing humans to the risk of contracting infections that are difficult to control and eradicate.

The controlled release mechanism of the silver ions allows the inalterability of the antimicrobial characteristics prolonged over time, even after numerous washing cycles, to guarantee the antimicrobial characteristic of SAN- Antimicrobial line.

SAN-Antimicrobial components are destined for medical and hospital equipment, rehab and disability aids, machines in pharmaceutical sector, urban and public fittings.



HOW SILVER IONS AG+ WORK

- They break through the microbe cell wall
- They interrupt intracellular enzymes
- They attack the dna of the microbe to stop cell replication

San-Antimicrobial

Technopolymer Components

Laboratory tests show that 98,9% of bacteria load is eliminated over the course of 24 hours (ISO 22196: 2011). All components of the technopolymer SAN-Antimicrobial line are provided with the Statement of Compliance "Antimicrobial Properties of Materials". Tests were carried out by CSI S.p.A., an accredited and recognised laboratory by ACCREDIA (n.0006), being the National Accreditation Body. The laboratory complies with the requirements of UNI CEI EN ISO / EC 17025. Certificate identification: $C0144 \ PM \ DOD \ 19_12$.



01 STAPHYLOCOCCUS AUREUS

Staphylococcus aureus is a Gram-positive bacterium, normally present in the majority of adults. The name of the species, "aureus", derives from the fact that its crops take a golden yellow pigmentation. S. aureus is responsible for acute infections that can be located in different parts of the organism such as: skin, skeletal system, respiratory system, urinary system, central nervous system. Antibiotic resistance is an often-frequent feature of these bacteria, especially in the so-called nosocomial infections, constituting a problem that should not be underestimated.

02 ESCHERICHIA COLI

Escherichia coli is a Gram-negative bacterium and its presence in water bodies indicates the presence of contamination. It can cause infections in the intestinal and urinary systems and sometimes it also causes meningitis.

03 KLEBSIELLA PNEUMONIAE

Klebsiella pneumoniae is a Gram-negative bacterium. It can cause bacterial pneumonia, although it is more commonly involved in hospital-acquired infections in the urinary system and in wounds. It has become a growing nosocomial infection as antibiotic-resistant strains continue to appear.

04 PSEUDOMONAS AERUGINOSA

Pseudomonas aeruginosa is a ubiquitous Gramnegative bacterium, considered an opportunistic pathogen in humans. It can theoretically infect all body areas even if the following main infections are distinguished: pulmonary, cutaneous, urinary tract, eye, ears, heart.

05 CANDIDA ALBICANS

Candida albicans is a saprophytic fungus that is normally found in the oral cavity, gastrointestinal tract and vagina. It can become pathogenic in specific conditions causing candidiasis. These forms of candida usually affect individuals who have undergone long antibiotic treatments, prolonged and intense stress or hormonal changes.

STRAINS USED

- Staphylococcus Aureus ATCC® 25923™ (antimicrobial activity 99,9%)
- Escherichia Coli ATCC® 25922™ (antimicrobial activity 99,9%)
- Klebsiella Pneumoniae ATCC® 13883™ (antimicrobial activity 99,8%)
- Pseudomonas Aeruginosa ATCC® 27853™ (antimicrobial activity 99,9%)
- Candida Albicans ATCC® 10231[™] (antimicrobial activity 98,9%)













Solid knobs

Technopolymer with antimicrobial protection

MATERIAL

Glass-fibre reinforced polyamide based (PA) technopolymer, with silver ion additive on an inorganic base, RAL 7021 grey-black colour (C1) or RAL 9016 white (C16), matte finish.

STANDARD EXECUTION

AISI 304 stainless steel boss, threaded blind hole.

FEATURES AND APPLICATIONS

The special antimicrobial additive prevents the proliferation of microbes, bacteria and fungi on the product surface.

The controlled release mechanism of the silver ions keeps the antimicrobial characteristics unchanged over time, even after several washing cycles.

The high temperature resistance of the additive used allows its use even in sterilisation cycles (130°C).

Material samples have been tested in accredited laboratories, according to the standards of ISO 22196: 2011 (Measurement of antibacterial activity on plastics and other non-porous surfaces) which derives from the JIS Z 2801 standard.

The following microbe strains have been used for the tests:

- Escherichia Coli ATCC® 25922TM (antimicrobial activity 99,9%).
- Staphylococcus Aureus ATCC® 25923™ (antimicrobial activity 99,9%).
- Klebsiella Pneumoniae ATCC® 13883™ (antimicrobial activity 99,8%).
- Pseudomonas Aeruginosa ATCC® 27853™ (antimicrobial activity 99,9%).
- Candida Albicans ATCC® 10231™ (antimicrobial activity 98,9%).

The three-lobe shape with large recesses is particularly ergonomic also for smaller knobs, ensuring an effective grip even with work gloves.

The design without rear cavities, generally adopted for reducing thickness, prevents unhealthy residues from depositing, ensuring easy cleaning.

Antimicrobial additives are suitable for all applications where sanitisation and hygiene are fundamental, for example:

- medical and hospital equipment;
- disability aids;
- machines for food processing and pharmaceutical industry;
- equipment for catering service;
- urban and public fittings.

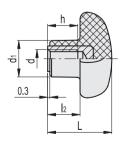






ELESA Original design





STAINLESS STEEL

Code	Description	Code	Description	D	d 6H	L	d1	I2	h	4
153266-C1	VTT.40-SST-M8-SAN-C1	153266-C16	VTT.40-SST-M8-SAN-C16	40	M8	27	16	13.5	13	23
153297-C1	VTT.50-SST-M10-SAN-C1	153297-C16	VTT.50-SST-M10-SAN-C16	50	M10	30	19	15	17	36

EWN-SST-SAN











Wing nuts

Technopolymer with antimicrobial protection

MATERIAL

Glass-fibre reinforced polyamide based (PA) technopolymer, with silver ion additive on an inorganic base, RAL 7021 grey-black colour (C1) or RAL 9016 white (C16), matte finish.

BOSS CAP

- ECA.W SAN: polyamide based (PA) technopolymer, with silver ion additive on an inorganic base, RAL 7021 grey-black colour (C1) or RAL white (C16), matte finish, press-fit assembly.

Available also as accessory sold separately (see table).

STANDARD EXECUTION

AISI 304 stainless steel boss, threaded blind hole.

FEATURES AND APPLICATIONS

The special antimicrobial additive prevents the proliferation of microbes, bacteria and fungi on the product surface.

The controlled release mechanism of the silver ions keeps the antimicrobial characteristics unchanged over time, even after several washing cycles.

The high temperature resistance of the additive used allows its use even in sterilisation cycles (130°C).

Material samples have been tested in accredited laboratories, according to the standards of ISO 22196: 2011 (Measurement of antibacterial activity on plastics and other non-porous surfaces) which derives from the JIS Z 2801 standard.

The following microbe strains have been used for the tests:

- Escherichia Coli ATCC® 25922™ (antimicrobial activity 99,9%)
- Staphylococcus Aureus ATCC® 25923™ (antimicrobial activity 99,9%).
- Klebsiella Pneumoniae ATCC® 13883™ (antimicrobial activity 99,8%).
- Pseudomonas Aeruginosa ATCC® 27853™ (antimicrobial activity 99,9%). - Candida Albicans ATCC® 10231™ (antimicrobial activity 98,9%).
- Antimicrobial additives are suitable for all applications where sanitisation and hygiene are fundamental, for example:
- medical and hospital equipment;
- disability aids;
- machines for food processing and pharmaceutical industry;
- equipment for catering service;
- urban and public fittings.





ACCESSORIES ON REQUEST

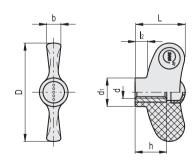
- ECA.W SAN: polyamide (PA) technopolymer boss cap, with silver ion additive on an inorganic base, RAL 7021 grey-black colour C1) or RAL 9016 white (C16) finish, press-fit assembly.



ECA.W SAN

Code	Description	Cap for
29756-*	ECA.W2-SAN-*	EWN.40
29757-*	ECA.W3-SAN-*	EWN.55

^{*} Complete with colour index (C1, C16).



STAINLESS STEEL

Code	Description	Code	Description	D	d 6H	L	d1	I2	b	h	C# [Nm]	2,7
153124-C1	EWN.40 SST-M6-SAN-C1	153124-C16	EWN.40 SST-M6-SAN-C16	40	M6	20	13.5	4	6	12	10	11
153128-C1	EWN.55 SST-M8-SAN-C1	153128-C16	EWN.55 SST-M8-SAN-C16	55	M8	28	16	6.5	8	18	15	15

"Max limit Tightening torque" means the max torque value at which the metal insert, in normal conditions of use, is perfectly and strongly anchored to the plastic material.











Adjustable handles

Technopolymer with antimicrobial protection

LEVER BODY

Glass-fibre reinforced polyamide based (PA) technopolymer, with silver ion additive on an inorganic base, RAL 7021 grey-black colour (C1) or RAL 9016 white (C16), matte finish. Built-in zinc alloy toothed insert for coupling to the metal clamping element.

STANDARD EXECUTION

AISI 303 stainless steel clamping element with threaded hole and retaining screw. AISI 302 stainless steel return spring. Retaining screw with six-lobed socket to fit TORX**.

FEATURES AND APPLICATIONS

The special antimicrobial additive prevents the proliferation of microbes, bacteria and fungi on the product surface.

The controlled release mechanism of the silver ions keeps the antimicrobial characteristics unchanged over time, even after several washing cycles.

The high temperature resistance of the additive used allows its use even in sterilisation cycles (130°C).

Material samples have been tested in accredited laboratories, according to the standards of ISO 22196: 2011 (Measurement of antibacterial activity on plastics and other non-porous surfaces) which derives from the JIS Z 2801 standard.

The following microbe strains have been used for the tests:

- Escherichia Coli ATCC® 25922™ (antimicrobial activity 99,9%).
- Staphylococcus Aureus ATCC® 25923™ (antimicrobial activity 99.9%).
- Klebsiella Pneumoniae ATCC® 13883™ (antimicrobial activity 99,8%).
- Pseudomonas Aeruginosa ATCC® 27853™ (antimicrobial activity 99,9%).
- Candida Albicans ATCC® 10231™ (antimicrobial activity 98,9%). Particularly suitable when the lever turning angle is limited owing to lack of space.

The metal teeth of the built-in zinc alloy insert allow the assembly of clamping elements completely made out of metal, which can be easily modified by machining in case of special assembly requirements.

Antimicrobial additives are suitable for all applications where sanitisation and hygiene are fundamental, for example:

- medical and hospital equipment;
- disability aids;
- machines for food processing and pharmaceutical industry;
- equipment for catering service;
- urban and public fittings.

INSTRUCTIONS OF USE

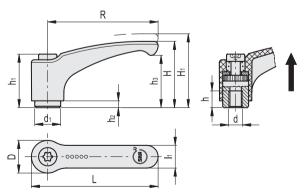
For clamping, lift the lever to disengage the clamping device teeth and bring it back to start position. By releasing the lever, the return spring automatically engages the teeth.

If the lever cannot make a 360° rotation, the clamping element can be easily screwed by means of the six-lobed socket front head screw (after having disengaged the lever).

* Registered trademark by TEXTRON INC.







STAINLESS STEEL

Code	Description	Code	Description	R	d	L	D	Н	H1	h	h1	h2	h3	d1	l1	Teeth no.	77
153432-C1	ERZ.63 SST-M6-SAN-C1	153432-C16	ERZ.63 SST-M6-SAN-C16	63	М6	73.5	19	38.5	42	10	31	3.5	30	13.5	13.5	24	33
153434-C1	ERZ.78 SST-M8-SAN-C1	153434-C16	ERZ.78 SST-M8-SAN-C16	78	M8	90.5	23	45	50.5	14	36	3.5	35	16	16	26	61

EKK-SST-SAN











Knurled grip knobs

Technopolymer with antimicrobial protection

MATERIAL

Glass-fibre reinforced polyamide based (PA) technopolymer, with silver ion additive on an inorganic base, RAL 7021 grey-black colour (C1) or RAL 9016 white (C16), matte finish.

STANDARD EXECUTION

AISI 304 stainless steel boss, threaded blind hole.

FEATURES AND APPLICATIONS

The special antimicrobial additive prevents the proliferation of microbes, bacteria and fungi on the product surface.

The controlled release mechanism of the silver ions keeps the antimicrobial characteristics unchanged over time, even after several washing cycles.

The high temperature resistance of the additive used allows its use even in sterilisation cycles (130°C).

Material samples have been tested in accredited laboratories, according to the standards of ISO 22196: 2011 (Measurement of antibacterial activity on plastics and other non-porous surfaces) which derives from the JIS Z 2801 standard.

The following microbe strains have been used for the tests:

- Escherichia Coli ATCC® 25922™ (antimicrobial activity 99,9%).
- Staphylococcus Aureus ATCC® 25923™ (antimicrobial activity 99,9%).
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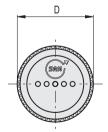
Antimicrobial additives are suitable for all applications where sanitisation and hygiene are fundamental, for example:

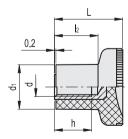
- medical and hospital equipment;
- disability aids;
- machines for food processing and pharmaceutical industry;
- equipment for catering service;
- urban and public fittings.











STAINLESS STEEL

Code	Description	Code	Description	D	L	d6H	d1	h	l2	7.7
153159-C1	EKK.21-SST M5-SAN-C1	153159-C16	EKK.21-SST M5-SAN-C16	21	18	M5	12.5	10	10.5	7
153163-C1	EKK.31-SST M8-SAN-C1	153163-C16	EKK.31-SST M8-SAN-C16	31	27	M8	18.5	15	17	20

















Cylindrical handles

Technopolymer with antimicrobial protection

MATERIAL

Glass-fibre reinforced polyamide based (PA) technopolymer, with silver ion additive on an inorganic base, RAL 7021 grey-black colour (C1) or RAL 9016 white (C16), matte finish.

MOUNTING

Threaded blind hole.

FEATURES AND APPLICATIONS

The special antimicrobial additive prevents the proliferation of microbes, bacteria and fungion the product surface.

The controlled release mechanism of the silver ions keeps the antimicrobial characteristics unchanged over time, even after several washing cycles. The high temperature resistance of the additive used allows its use even in sterilisation cycles (130° C).

Material samples have been tested in accredited laboratories, according to the standards of ISO 22196: 2011 (Measurement of antibacterial activity on plastics and other non-porous surfaces) which derives from the JIS Z 2801 standard.

The following microbe strains have been used for the tests:

- Escherichia Coli ATCC® 25922™ (antimicrobial activity 99,9%).
- Staphylococcus Aureus ATCC® 25923™ (antimicrobial activity 99,9%).
- Klebsiella Pneumoniae ATCC® 13883™ (antimicrobial activity 99,8%).
- Pseudomonas Aeruginosa ATCC® 27853™ (antimicrobial activity 99.9%).
- Candida Albicans ATCC® 10231™ (antimicrobial activity 98,9%).

 Antimicrobial additives are suitable for all applications where sanitisatio

Antimicrobial additives are suitable for all applications where sanitisation and hygiene are fundamental, for example:

- medical and hospital equipment;
- disability aids;
- machines for food processing and pharmaceutical industry;
- equipment for catering service;
- urban and public fittings.

Tapered handle

Technopolymer with antimicrobial protection

MATERIAL

Glass-fibre reinforced polyamide based (PA) technopolymer, with silver ion additive on an inorganic base, RAL 7021 grey-black colour (C1) or RAL 9016 white (C16), matte finish.

STANDARD EXECUTION

AISI 304 stainless steel pin, hexagonal socket at threaded end.

FEATURES AND APPLICATIONS

The special antimicrobial additive prevents the proliferation of microbes, bacteria and fungi on the product surface.

The controlled release mechanism of the silver ions keeps the antimicrobial characteristics unchanged over time, even after several washing cycles.

The high temperature resistance of the additive used allows its use even in sterilisation cycles (130°C).

Material samples have been tested in accredited laboratories, according to the standards of ISO 22196: 2011 (Measurement of antibacterial activity on plastics and other non-porous surfaces) which derives from the JIS Z 2801 standard.

The following microbe strains have been used for the tests:

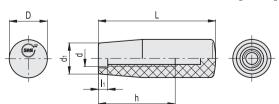
- Escherichia Coli ATCC® 25922™ (antimicrobial activity 99,9%).
- Staphylococcus Aureus ATCC® 25923™ (antimicrobial activity 99,9%).
- Klebsiella Pneumoniae ATCC® 13883™ (antimicrobial activity 99,8%).
- Pseudomonas Aeruginosa ATCC® 27853™ (antimicrobial activity 99.9%).
- Candida Albicans ATCC® 10231™ (antimicrobial activity 98,9%).

Antimicrobial additives are suitable for all applications where sanitisation and hygiene are fundamental, for example:

- medical and hospital equipment;
- disability aids;
- machines for food processing and pharmaceutical industry;
- equipment for catering service;
- urban and public fittings.



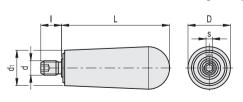
ELESA Original design



Code	Description	D	L	d	d1	h	l1	7,7
153037-C1	I.780/80-M8-SAN-C1	26.5	80	M8	21	40	7	48
153037-C16	I.780/80-M8-SAN-C16	26.5	80	M8	21	40	7	48



ELESA Original design



5	IAIN	ILES	2 5	IE	-

Code	Description	D	L	d	d1	ī	s	7,7
153031-C1	I.644/90+x-M8-SST SAN-C1	36	90	M8	30	16	4	132
153031-C16	I.644/90+x-M8-SST SAN-C16	36	90	M8	30	16	4	132









Bridge handle

Technopolymer with antimicrobial protection

MATERIAL

Glass-fibre reinforced polyamide based (PA) technopolymer, with silver ion additive on an inorganic base, RAL 7021 grey-black colour (C1) or RAL 9016 white (C16), matte finish.

SCREW-COVERS

- ECA.B SAN:polyamide based (PA) technopolymer, with silver ion additive on an inorganic base, RAL 7021 grey-black colour (C1) or RAL white (C16), matte finish. Supplied with the handle, press-fit assembly, removable by a screwdriver.

Available also as accessories sold separately (see table).

STANDARD EXECUTION

Pass-through holes for cylindrical-head screws with hexagon socket.

FEATURES AND APPLICATIONS

The special antimicrobial additive prevents the proliferation of microbes, bacteria and fungi on the product surface.

The controlled release mechanism of the silver ions keeps the antimicrobial characteristics unchanged over time, even after several washing cycles

The high temperature resistance of the additive used allows its use even in sterilisation cycles (130°C).

Material samples have been tested in accredited laboratories, according to the standards of ISO 22196: 2011 (Measurement of antibacterial activity on plastics and other non-porous surfaces) which derives from the JIS Z 2801 standard.

The following microbe strains have been used for the tests:

- Escherichia Coli ATCC® 25922™ (antimicrobial activity 99,9%).
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- Pseudomonas Aeruginosa ATCC® 27853™ (antimicrobial activity 99,9%).
- Candida Albicans ATCC® 10231™ (antimicrobial activity 98,9%). Antimicrobial additives are suitable for all applications where sanitisation and hygiene are fundamental, for example:
- medical and hospital equipment;
- disability aids;
- machines for food processing and pharmaceutical industry;
- equipment for catering service;
- urban and public fittings.

ACCESSORIES ON REQUEST

- ECA.B SAN: polyamide (PA) technopolymer screw-cover, with silver ion additive on an inorganic base, RAL 7021 grey-black colour C1) or RAL 9016 white (C16) finish, press-fit assembly (see table).

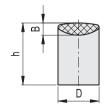




ECA.B SAN

Code	Description	Caps for
29836-*	ECA.B1-SAN-*	EBP.140 / EBP.200

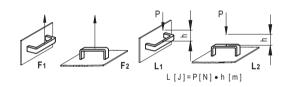
* Complete with colour index (C1, C16).

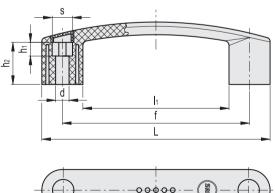


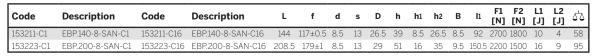


TECHNICAL DATA

Tensile stress and impact strength: the values F1, F2, L1 and L2 indicated in the table were obtained during breaking tests carried out with the appropriate dynamometric equipment under the test conditions shown in the figure with ambient temperature.







San-Antibacterial

Metal Components

INTRODUCTION

Handles and operating elements can act as vectors for many pathogens. Upon every hand contact, bacteria and germs take hold on the surface, where they can proliferate unchecked over time, such as between two cleaning cycles. If one or more other people later touch the same part, the expanded population of pathogens has the opportunity to spread even further.

The antibacterial standard parts of the **Sanline** product family can prevent bacteria and germs from propagating on an operating element, actively reducing their spread and preventing bacterial illnesses that could otherwise result.

Two different active principles can be found in the **Sanline** product family: Plastic standard parts with additives based on silver ions and metal standard parts with a powder coating based on zinc molybdate. Both principles destroy the cell walls of the microorganisms, causing them to die. The antibacterial effectiveness is retained for a long time, even after frequent cleaning cycles, and is absolutely safe for the user.

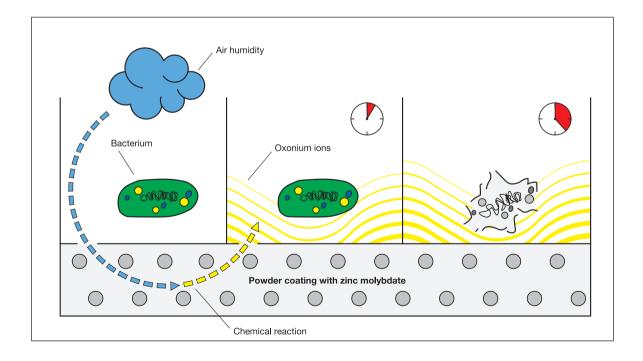
With their antibacterial properties, the **Sanline** operating elements are predestined for areas with elevated hygiene requirements. These include doctors' offices, hospitals, rehabilitation and care facilities as well as cafeterias, food-processing plants and agricultural operations with livestock. Sanline products also reduce the risk of infection in locations where many different people come into contact with handles and operating elements, such as in stadiums and concert halls, parks and wellness facilities as well as on public transport.

FUNCTIONING PRINCIPLE - POWDER COATING WITH ZINC MOLYBDATE

Powder coatings with an additive based on zinc molybdate have a powerful antibacterial effect. The coating mimics the natural acidic protective sheath of human skin. Glands in the skin produce acids that lower the pH and form an acidic protective sheath for the body, rendering pathogens on the skin harmless.

With zinc molybdate, this principle can be recreated by technical means: On the surface of the coating, oxide particles chemically react with moisture in the air to form an acid group, lowering the pH. The resulting oxonium ions (H3O+) destroy the cell walls of the bacteria via protolysis.

This process ensures a constant reduction in microorganisms, preventing their growth and disrupting their ability to establish themselves on the surfaces.



San-Antibacterial

Metal Components

LABORATORY TESTS

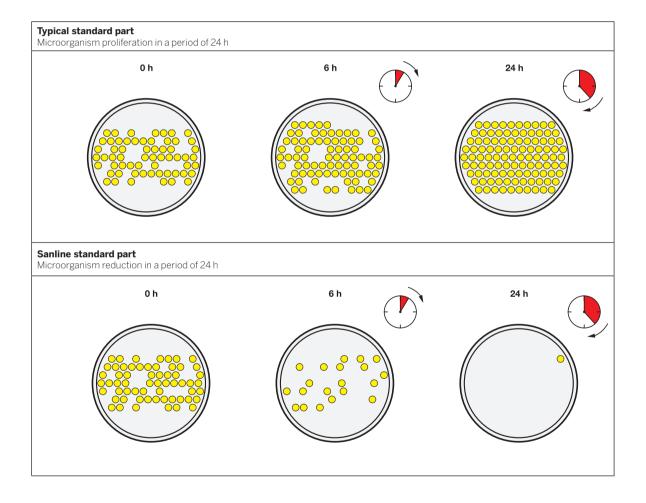
Sanline standard parts have been tested successfully according to ISO 22196;2011-08 "Measurement of antibacterial activity on plastics and other non-porous surfaces."

The antibacterial effect was demonstrated on the basis of zinc molybdate for following test bacteria:

- Staphylococcus aureus ATCC 6538P
- Escherichia coli ATCC 8739

The testing and confirmation were performed by the accredited testing laboratory Institut Hohenstein.

The principle of action demonstrably reduces the growth of bacteria within 24 hours so that contaminated surfaces ultimately have less than 0.2% of the original number of microbes.







Cabinet U-handles

Aluminium

SPECIFICATION

Aluminium AL

plastic coated

black, RAL 9005, textured finish SW

silver, RAL 9006, textured finish ${\bf SR}$

black, RAL 9005, antibacterial **SMA**

white, RAL 9016, antibacterial WSA

blank, tumbled BL



GN 426 cabinet U-handles are made from a bent aluminum profile and have excellent stability and ergonomic design. Due to the production process, special designs can be supplied even in relatively small quantities.

In addition to the standard surfaces, these cabinet U-handles are also available with a functional coating.

The **SMA / WSA** versions have a powder coating based on zinc molybdate, which gives it antibacterial properties. The principle of action, which is activated by the presence of moisture, demonstrably reduces the growth of bacteria within 24 hours, so that contaminated surfaces ultimately have less than 0.2% of the original number of microbes.

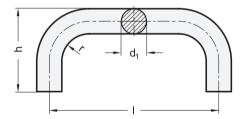
Standard elements with antibacterial plastic coating are primarily used in the health care sector and in public buildings, such as airports, train stations, stadiums, etc.

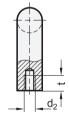
TECHNICAL INFORMATION

- Load rating information (see page A35)









^{*} Complete with colour index of the Cabinet U-handles (SW, SR, SMA, WSA or BL)

SW	SR	SMA	WSA	BL
RAL 9005	RAL 9006	RAL 9005, antibacterial	RAL 9016, antibacterial	blank

GN 426

Description	d1	l ±0.25	d2	h	r	t min.	47
GN 426-AL-20-200-*	20	200**	M 8	68	22	15	240
GN 426-AL-20-250-*	20	250**	M 8	68	22	15	280
GN 426-AL-20-300-*	20	300**	M 8	68	22	15	330
GN 426-AL-20-350-*	20	350	M 8	68	22	15	375
GN 426-AL-28-250-*	28	250**	M 10	78	32	15	290
GN 426-AL-28-300-*	28	300**	M 10	78	32	15	350
GN 426-AL-28-350-*	28	350	M 10	78	32	15	375
GN 426-AL-28-400-*	28	400**	M 10	78	32	15	415

 $[\]ensuremath{^{**}}$ Sizes also available for type WSA and SMA





Cabinet U-handles

Aluminium

SPECIFICATION

Aluminium

plastic coated

black, RAL 9005, UV-resistant, textured finish SW

red, RAL 3000, textured finish RS

silver, RAL 9006, textured finish SR

black, RAL 9005 antibacterial SMA

white, RAL 9016, antibacterial WSA

anodized, natural colour EL

blank, tumbled BL

INFORMATION

GN 565 cabinet U-handles are manufactured from a bent aluminum profile and have excellent stability and ergonomic design. Due to the manufacturing process, **special designs** can be supplied even in relatively small quantities.

In addition to the standard surfaces, these cabinet U-handles are also available with a functional coating.

The **SW** version is coated with a highly weather-resistant and UV-resistant powder coating system, making this version excellent for outdoor use.

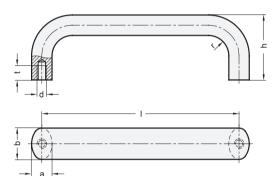
The **SMA / WSA** versions have a powder coating based on zinc molybdate, which gives it antibacterial properties. The principle of action, which is activated by the presence of moisture, demonstrably reduces the growth of bacteria within 24 hours, so that contaminated surfaces ultimately have less than 0.2% of the original number of microbes.

Standard elements with antibacterial plastic coating are primarily used in the health care sector and in public buildings, such as airports, train stations, stadiums, etc.

TECHNICAL INFORMATION

- Load rating information (see page A35)





* Complete with colour index of the Cabinet U-handles (\$	(SW, RS, SR, SMA, WSA, EL or BL)
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SW	RS	SR	SMA	WSA	EL	BL
RAL 9005	RAL 3000	RAL 9006	RAL 9005, antibacterial	RAL 9016, antibacterial	anodized	blank

GN 565

Description	b	I ±0.25	a	d	h	r	t min.	47
GN 565-20-100-*	20	100***	13	M 6	49	13	10	87
GN 565-20-112-*	20	112***	13	M 6	49	13	10	93
GN 565-20-117-*	20	117	13	M 6	49	13	10	100
GN 565-20-120-*	20	120**	13	M 6	49	13	10	107
GN 565-20-128-*	20	128***	13	M 6	51	13	10	114
GN 565-20-160-*	20	160***	13	M 6	51	13	10	121
GN 565-20-180-*	20	180**	13	M 6	51	13	10	128
GN 565-20-200-*	20	200	13	M 6	51	13	10	150
GN 565-20-235-*	20	235**	13	M 6	51	13	10	172
GN 565-26-112-*	26	112	17	M 8	55	17	12	161
GN 565-26-117-*	26	117	17	M 8	55	17	12	166
GN 565-26-120-*	26	120**	17	M 8	55	17	12	171
GN 565-26-125-*	26	125	17	M 8	55	17	12	180
GN 565-26-128-*	26	128***	17	M 8	55	17	12	189
GN 565-26-160-*	26	160***	17	M 8	57	17	12	210
GN 565-26-179-*	26	179	17	M 8	57	17	12	234
GN 565-26-192-*	26	192***	17	M 8	57	17	12	245
GN 565-26-300-*	26	300***	17	M 8	57	17	12	345
GN 565-26-400-*	26	400	17	M 8	57	17	12	440
GN 565-26-500-*	26	500	17	M 8	57	17	12	538

^{**} suitable for 19" rack and enclosure layout

^{***} Sizes also available for type WSA and SMA























Find out more on **elesa-ganter.com**

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