WÜRTH

FOOD & BEVERAGE

AREAS OF APPLICATION FOR PRODUCTS IN THE FOOD, PHARMACEUTICAL, COSMETICS AND HEALTH INDUSTRY



AREAS OF APPLICATION FOR PRODUCTS IN THE FOOD, PHARMACEUTICAL, COSMETICS AND HEALTH INDUSTRY

Products for the food and safety-related sectors are not only subject to high technical requirements, but also have to be physiologically harmless and meet legally required environmental parameters.

Our products on the following pages meet these specifications and are approved for use in food-related applications and wherever the risk potential for processors is to be significantly reduced and safety is paramount.

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WÜRTH PRODUCTS FIND APPLICATION IN THE:



Food and beverage industry



Gastronomy/hotel industry



Kitchens / Commercial kitchens



Butchers/bakeries/dairies



Agriculture



Hospitals/senior citizens' homes



Medical practices/pharmacies



Packaging industry



Transport, refrigeration and Fresh food vehicles



Pharmaindustrie

NSF®, ISEGA, ETC. - WHAT DO THE CERTIFICATES/VERIFICATIONS MEAN?

NSF®

Products with the NSF® logo have been tested and registered by the "National Sanitary Foundation". NSF® is the only international registration that guarantees that the product can be used in the food industry without any health risks.

Various NSF® classifications

Lubricant

H1 Lubricants that may be used at critical points in the food industry where incidental, unplanned contact with food cannot be ruled out.

H2 Lubricants that may be used if contact with food is technically excluded.

Cleaning agents

A1 General cleaning products for general and universal cleaning on all surfaces without direct food contact.

A7 Metal polishing agents that may be used if contact with food is technically excluded.

Products in the non-manufacturing area

C1 Universal use outside of production areas.

Solvent

K1 Degreasers and assembly cleaners that can be used outside the production area in the food industry.

K3 Adhesive/label remover from food packaging in all areas.

Other

P1 Diverse applications, not suitable for direct or indirect contact with food.

NSF®/ANSI STANDARD 61

Standard for drinking water system components that guarantees that the product/material is harmless and cannot release any substances with potentially harmful effects into the drinking water.

ANSI 61

ISEGA

ISEGA is the German certification system for products for the food-related sector. Through regular monitoring by the DAkkS ensures that the products not only comply with German but also international regulations.

You can find the corresponding certificates for our products:

- In our online shop under **www.eshop.wuerth.co.th**
- In the "White Book™ Nonfood Compound Listings Directory" at **www.nsf.org**

FOR USE IN THE DRINKING WATER SECTOR

Corresponds to the formulation recommendation of the Federal Environment Agency of 11 February 2016 for use in contact with drinking water. In the case of use as a thread sealant in contact with drinking water, please observe the corresponding recommendations of the adhesive association.

KOSHER

Marking for products classified as kosher (fit, pure) according to Jewish dietary laws.

HALAL

Halal certification identifies products that are "permitted" according to Islamic religious regulations. The requirement of "Halal" includes not only the food itself but also auxiliary or additive substances.

ALLERGEN FREE

Since 13.12.2014, the Food Information Regulation EU 1169/2011 applies throughout Europe. Within this framework, we strive to sell products without food allergens.

GMO-FREE

In order to produce GMO-free food, it is important that auxiliary substances and additives are also free of genetic engineering.

DECLARATIONS OF CONFORMITY

The declarations of conformity confirm that the product meets the high requirements of the FDA and/or European food safety standards.

PRODUCTS - EVERYTHING FROM A SINGLE SOURCE

Manufacturers, regulatory authorities and consumers have high requirements and expectations of products for the food, pharmaceutical and healthcare industry. That is why Würth has developed a wide range of chemical products, cleaning equipment, workplace equipment and occupational health and safety products that help protect food, water, consumer goods and the environment.

Würth offers you the necessary products and services you need from a single source, with the aim of protecting and improving your health and that of your customers and improve them.



FOOD GRADE – CLEANING & CARE

Assembly power cleaner
500 ML
Art. no. 0890 107



For cleaning engine and transmission housings, brake systems, vehicle, machine and clutch parts during maintenance, repair and assembly work.

Metal restorer 286 ML
Art. no. 0893 121 1

For metal surfaces made from stainless steel, chrome, brass, copper, aluminium, gold and silver. Can be used on vehicles, in technical equipment, in the home and in the food processing sector. For environmentally friendly removal of tempering colour. Also suitable for glass and glass ceramics.



Multiclean 400 ML
Art. no. 0890 109 6

For residue-free cleaning and degreasing during assembly and maintenance work on machinery, assemblies and tools in critical areas of the food, pharmaceutical and printing industries as well as for applications in which the use of easily and highly inflammable cleaners is not desired.



Cleaning paper ECO LINE on rolls
ROLL-2PLIES-38CM-1000SHT-TEARING
Art.-no. 0899800773



Parts Cleaner cleaning table
Art. no. 9950 000 00

When filled for the first time (4x25 l). For replacing and controlling the fill level of the part washing device Würth PARTS CLEANER, art. no. 0995 000 000.
Application-ready parts cleaner for spray and wipe cleaning with pump spray bottle, art. no. 0891 503 001



Parts Cleaner Liquid
25 LTR
Art. no. 0995 000 001



FOOD GRADE– CLEANING & CARE

Silicon fluid 400 ML
Art. no. 0893 221 000

As an anti-friction agent and for the lubrication of all moving parts of machines, especially in the field of plastics, in automotive engineering and in the food, pharmaceutical, printing and paper industries. Also as a mould release agent in the plastics processing industry and for surface care and protection. Can be used in areas in which food is processed or stored.



Adhesive remover 400 ML
Art.-no. 0890 100 63



Metal surface-Stainless steel spray perfect 400 ML
Art.-no. 0893 114 116



Eye-wash station
500 ML
Art.-no. 0899 511 905



Active windscreen cleaner
500 ML
Art.-no. 0890 25



Cleaner for glass
500 ML ECOLINE
Art.-no. 0890 220 01



Garbage bag without pull tie
WASTEBG-EXTRASTRONG-BLUE-700X1100X0.07
Art.-no. 0899 800 555





FOOD GRADE– CLEANING & CARE

Würth Bio Cleaners



	Article number	Product description
EC 100 NSF A1	0893117138000 20	EC100-500ML
	0893117145000 1	EC100-5LTR
	0893117146000 1	EC100-20LTR
EC 200 NSF C1	0893117136000 20	EC200-500ML
	0893117140000 1	EC200-5L
	0893117141000 1	EC200-20L
	0893117142000 1	EC200-200L
EC 300 NSF K3	0893117137000 20	EC300-500ML
	0893117143000 1	EC300-5L

PROPERTIES	EC100	EC200	EC300
Cleaning Power	Light to medium	Medium to hard	Hard to Heavy
Combination of applications	Mainly used for a resiude-free cleaning after using EC200 / EC300	Can be used alone or after EC300. Suited as aquous or foaming cleaner	Leaves a thin oily layer. The EC100 is needed.
Based on	Water	Water	Natural extracted Solvent
VOC	13%	free	19%
NSF	A1 General purpose cleaning agent	C1 Acceptable in inedible product processing areas and exterior areas of food processing establisment	K3 Adhesive and Glue removing
Safety Precautions	No Hazardous Symbols	No Hazardous Symbols	No Hazardous Symbols
Suitability	Aluminum, non-ferrous metals, plastics, rubber, stainless steel, steel, tiles, painted surfaces, wood, galvanized surfaces.	Stainless steel, steel, tiles. // Check compatibility: Aluminum, nonferrous metal, plastics, rubber, painted surfaces, wood, galvanized surfaces.	Aluminum, Non-ferrous metals, Stainless steel, Steel, Tiles, Galvanized surfaces // Check compatibility: Plastics, rubber, painted surfaces.
Application	Removes dust, fingerprints, light oil and grease soiling, felt pens, fresh glue residues, etc.	Removes the strongest burnt-in dirt, greases, oils, smoke, soot, rubber residues, bitumen and wax residues, food, nicotine, smoke, soot, release agents	Removes the most extreme dirt, such as oils and greases, tar, lubricants, adhesives residues, anti-corrosion waxes, resins, rubber residues and abrasion as well as paint residues
Use	Manual	Manual, hot water high pressure cleaner, parts cleaners, ultrasonic, foaming or dipping applicaton	Manual and dipping application
Key advantages	Ready to use Dries quickly and is residue-free High activity and low consumption / 1-2 ml per spray	Ready to use	Ready to use
		Alternative to petroleum and solvents	Excellent alternative to irritating solvents
		Based on 100% renewable raw materials	Based on 100% renewable raw materials
		Hybrid cleaner: Foaming & Aquous	Extremely efficient, a wafer-thin application is sufficient
		Lasts 5-10 times longer than solvents in a dip tank, machines etc.	
		Exposure temperatures up to 65°C	

FOOD GRADE– CLEANING & CARE

Food-grade silicone acetate 310ML
Art. no. 0892 550 1

For sealing joints that come into contact with drinking water or food, e.g. in commercial kitchens, butcher's shops, breweries, sales counters and walk-in refrigerators. Without primer: Enamels, tiles, glass, anodised aluminium, stainless steel and artificial stone
With primer: Aluminium** (bare, powder-coated), chrome, hard PVC, wood (bare, painted and glazed)



Slide wax 500 ML
Art.-no. 0893 550 000

Suitable for long-lasting smoothing of anti-friction surfaces, chutes, sorting machines, repositories, letter and package chutes, guides, cutting and planing tables, pallet belts and other anti-friction surfaces in the manufacturing, packaging, transport and printing machine sectors on which foodstuffs, drinks and medicines are processed. Also ideal for anti-friction surfaces on printing and book binding machines.



Industry cleaner 500 ML
Art.-no. 0893 140

Cleans machine parts, plastic parts and metallic surfaces of adhesive residues. Also suitable for removing protective preservatives e.g. on brake discs.



Stainless steel power cleaner 500 ML
Art.-no. 0893 121 2

For surfaces made from stainless steel, chrome, brass, anodised and enamelled metal surfaces as well as light-alloy and non-ferrous metals on vehicles, in boat construction, on technical equipment, in the home and in food processing companies.

Stainless steel power cleaner 5LTR
Art.-no. 0893121205



FOOD GRADE– CLEANING & CARE

Rost Off Special rust remover 400ML
Art.-no. 089313 040 0

For loosening extremely rusty and oxidised screw and joint connections on machinery, assemblies and devices, preferably in the food and beverage industry.



NSF H1

OHNE GENTECHNIK

Stainless steel care oil 400ML
Art.-no. 0893 121 0

Where necessary, remove coarse dirt with stainless steel power cleaner. Spray a thin coat onto the dry surface; polish with a soft, dry cloth. Do not rub dry!



NSF A7

OHNE GENTECHNIK

Adhesive lubricant HHS 6000 PLUS
Art.-no. 0893 106 202

For liquid lubrication of valve gaskets, sleeves, O-rings, drives, piston rods and guides on slide dampers, hinge band and roller chains as well as mechanisms in the food and beverage industry. For lubricating cutting blades in the paper industry as well as needles and hooks on knitting machines. Versatile use in manufacturing, application and packaging of foodstuffs as well as of pharmaceutical and cosmetic products. Lubricating effect is even maintained for machines and conveyors exposed to water. Ideal for use as release agent in the food and beverage industries.



NSF H1

OHNE GENTECHNIK

Adhesive lubricant HHS 2000 PLUS
Art.-no. 0893 106 203

Suitable for universal lubrication at high pressure loads, e.g. for chains, racks, joints, levers, bearings, sliding points, cables, open drives, and hinges.



NSF H1

OHNE GENTECHNIK

FOOD GRADE– CLEANING & CARE

Multi Plus maintenance oil 400ML
Art.-no. 0893 056 000

For lubricating and maintaining connecting joints, chains, seals and moving parts in automotive engineering, as well as in critical areas of the food, pharmaceuticals, printing and paper industries. As a release agent, for corrosion protection and for all applications in which the use of conventional mineral oil-based products, critical additives and solvents is not desirable.





Battery terminal protector
150ML
Art.-no. 0890 104



Lime deposit protection lime stop
1000ML
Art.-no. 0893 030 0





FOOD GRADE– CLEANING & CARE

Medium-strength screw retainer 50G
Art.-no. 0893 243 050

Automotive and commercial vehicle industry, metal and tool manufacturing, shipbuilding, machine and engine construction, electrical and electronics construction



Surface sealant, green 50G
Art.-no. 0893 573 050

Automotive and commercial vehicle industry, metal and tool manufacturing, shipbuilding, machine and engine construction, electrical and electronics construction. Particularly suitable for applications in which good wetting is required, for instance on complicated cast parts, narrow bars and smooth surfaces.



Pipe sealant low-strength PTFE 50G
Art.-no. 0893 511 050

Ideal for use in the automotive and commercial vehicle industry, metal and tool manufacturing, shipbuilding, machine and engine construction, electrical and electronics construction, etc. Seals metallic pipes in accordance with ISO 7.1 (conical/cylindrical threads) to R 3". For sealing fittings or valves, threaded connections in metal water pipes (as well as service water in heating or cooling circuits, sprinkler systems, etc.).
It can also be used for sealing petrol pipes, diesel pipes or compressed air lines. The product is also suitable for sealing pressure reducers or oil separators in compressed air supplies or for sealing oxygen pipelines <lt/> 10 bar (e.g. hospital care).



Bearing lock high-strength NSF 50G
Art.-no. 0893 603 050

For high-strength securing of cylindrical joining parts such as bushings and sleeves as supplied, ball bearings, oil-impregnated sinter bronze, gears, bolts, shaft and hub connections exposed to high loads. Automotive and commercial vehicle industry, metal and tool manufacturing, shipbuilding, machine and engine construction, electrical and electronics construction.



FOOD GRADE– CLEANING & CARE

Multi-purpose grease, IV NSF 400G
Art.-no. 0893107003

For the lubrication of machines, plain bearings and anti-friction bearings, even under extreme conditions such as high temperatures, high pressures, shock and impact stresses and the influence of water, etc.
The grease meets the requirements of the NSF H1 specification and is primarily used as a high-performance multi-purpose grease in the food industry in which there is a risk of direct contact between the lubricant and foodstuffs.

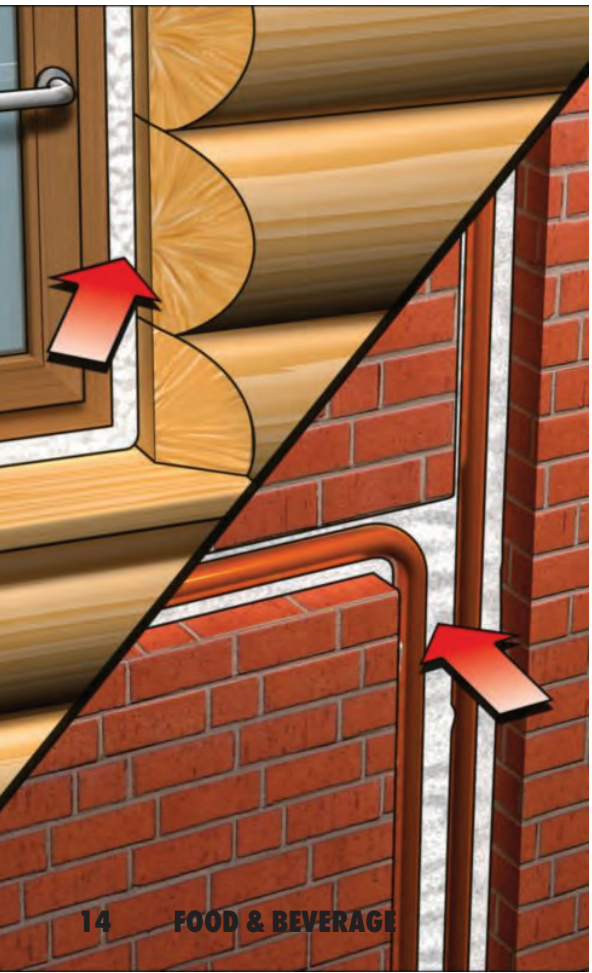


Hand-lever grease gun, Lube-Shuttle
Art.-no. 098605



Engine and housing sealing compound DP 300 NSF RED-80ML
Art.-no. 08901 000 48





1C assembly foam PUR B2
PU-B2-AT3-750ML
Art.-no. 0892 155 210



1C assembly foam PU Asia Economic
1C-MAN-B3-300ML
Art.-no. 0892 188 760



MRO

Brake cleaner
500ML
Art.-no. 0890 108 7



Silicon spray
500ML
Art.-no. 0893 221



Adhesive lubricant HHS 2000
500ML
Art.-no. 0893 106



Workshop cleaner BMF
5LTR
Art.-no. 0893 118 2



Hand cleaner Plus tube
350ML
Art.-no. 0893 900 01



Multi-grade compressor oil Pro
1000ML
Art.-no. 0892 764 123



MRO

Machine screw tap HSCo green form B
DIN371-GREEN-M5
Art.-no. 0655 5





Contact spray OL
200ML
Art.-no. 0893 60



Contact spray
300ML
Art.-no. 0890 100



2C crimping pliers for insulated connectors
Min./max. wire cross section 0,5–6 mm
Art.-no. 0714 106 111



Wire stripping pliers with 2C handle
WRESTR-ADJ-(0,02-10SMM)
Art.-no. 0714 108 10



Combination wrench assortment, short
17PCS
Art.-no. 0713 301 41



Combination wrench assortment, short
(WS8-22)-11PCS
Art.-no. 0713 301 40



MRO

Twist drill bit HSCo type RN OXID assort.,
25 pcs DIN338-HSCO-OX-(D1-13)-0,5
Art.-no. 0626 000 004



Thread repair set 42 pieces
M6/M8/M10
Art.-no. 0964 961 6



Secural soft face hammer
Art.-no. 071572 35



Rubber hammer type A DIN5128-A-D65MM
Art.-no. 0715 734 08



Water pump pl, push but adj, plast h250MM
Art.-no. 071502 23



Open-end wrench, adjustable WS0-13
Art.-no. 0715 221 04



Hose clamp A4
HOSECLMP-A4-DIN3017-W5-W9MM-(16-27MM)
Art.-no. 0538 016 27



Metal bow saw light and manageable
Art.-no. 0714 64 02



MRO

Allen key sliding set hexagon ball head 9 pcs.
ALLENKEY-SORT-BALLHD-(1,5-10)-9PCS
Art.-no. 071540 100



Side cutters DIN ISO 5749 2-comp.handle
SDCTR-L160MM
Art.-no. 071401 56



DIN 5254 shape B shaft circlips
CRCLIPPLRS-B-(3-10MM)
Art.-no. 071402 16



Pin punch set large dimensions
PINPNCH-SET-BIG-5PCS
Art.-no. 071463 320



VDE screwdriver flat slotted
SCRDRIV-VDE-SL-0,4X2,5X80
Art.-no. 06136 310 25



Scriber with encoded steel handle
Art.-no. 071470 10



Cable connector detectable with metal latch
4,8X360MM
Art.-no. 05025 203 60



MRO

Tool case complete with 91 tools
Art.-no. 096593 120



Ink marker
Art. no. 0967 909 901



Cutter knife plastic handle with slide
H18 MM - L160 MM
Art.-no. 071566 21





Snap-off blade plain standard
18 MM
Art.-no. 071566 0





MRO

Industrial wet and dry vacuum cleaner HWS 15-L
Art.-no. 07011150



Disposable overshoe
Art.-no. 08990281



Workshop trolley Compact
Art.-no. 0962 615 700



System case 4.4.1
Art.-no. 5581020000



System insert plastic 4.4.1
2COMP
Art.-no. 5581003004



System insert plastic 4.4.1
4COMP
Art.-no. 5581003000



System insert plastic 4.4.1
8COMP
Art.-no. 5581003001



System insert plastic 4.4.1
12COMP
Art.-no. 5581003003



System insert plastic 4.4.1
6COMP
Art.-no. 5581003002



System insert plastic 4.4.1
18COMP
Art.-no. 5581003017



MRO

Pressure-reducer UFR w. filter a. manom.
semi-auto 1/2IN
Art.-no. 0699 101 121



Pneumatic impact wrench DSS 1/2 inch Standard
Art.-no. 0703 756 0



Single-pole voltage tester
VDE-1PIN-(150-250V)
Art.-no. 0613 247 360



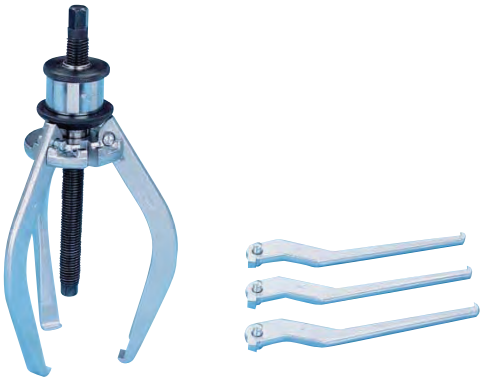
Digital callipers with plastic housing
CAL-DGT-(0-200MM)
Art.-no. 071576 124



Pocket measuring tape
MSRETPE-POKT-L5M
Art.-no. 071464 512

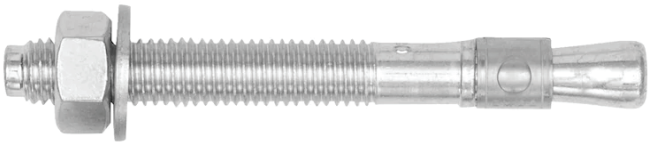


External and internal puller set
3ARM-IN/EX-6PCS
Art.-no. 071552 40



MRO

Fixing bolt anchor
Art.-no. 59320...



Wedge anchor W-FAZ steel zinc plated
Art.-no. 090452...



Precision feeler gauge
FELRGAU-20PCS
Art.-no. 071351 42



Centre punch DIN 7250
L120MM
Art.-no. 071463 15



Electric insulating tape
BLACK-15MMX10M
Art.-no. 0985 101



Ratchet lashing belt, one-piece TÜV checked 5T-W25MM-L4M
Art.-no. 071392 10



Cutting disc for stainless steel
GREEN-A2-SR-TH1,0-BR22,2-D125MM
Art.-no. 0669 131 250



PPE & SAFETY



Winter glove, Comfort



Art.-no. 0899 450 108 size8
Art.-no. 0899 450 109 size9
Art.-no. 0899 450 110 size10
Art.-no. 0899 450 111 size11

Nitrile chemical protective glove



Art.-no. 0899 435 07 size07
Art.-no. 0899 435 08 size08
Art.-no. 0899 435 09 size09
Art.-no. 0899 435 10 size10
Art.-no. 0899 435 11 size11

Cow full leather glove
Art.-no. 5350000008 size8
Art.-no. 5350000009 size9
Art.-no. 53500000010 size10
Art.-no. 53500000011 size11



Cut protection glove W-110, level B
Art.-no. 0899 400 739 size7
Art.-no. 0899 400 740 size8
Art.-no. 0899 400 741 size9
Art.-no. 0899 400 742 size10
Art.-no. 0899 400 743 size11



Cotton jersey glove
Art.-no. 0899 400 140 size10



PPE & SAFETY



High-vis soft-shell jacket, class 3
KL3 ORANGE L MODYF
Art.-no. M041048002



Corded ear plugs x-100
Art.-no. 0899300332



Ear plugs x-100
EARPLG-X100-50PAIR
Art.-no. 0899300342



Ear defenders, multi-use, with universal headband
Art.-no. 08993 00280



Low-cut safety shoes, S3 Fintan

Art.-no. M418140035 size 35
Art.-no. M418140036 size 36
Art.-no. M418140037 size 37
Art.-no. M418140038 size 38
Art.-no. M418140039 size 39
Art.-no. M418140040 size 40
Art.-no. M418140041 size 41
Art.-no. M418140042 size 42
Art.-no. M418140044 size 44
Art.-no. M418140045 size 45
Art.-no. M418140046 size 46
Art.-no. M418140047 size 47
Art.-no. M418140048 size 48



PPE & SAFETY

Disposable breathing mask CM FFP1
Art.-no. 0899 110 400



Full-vision safety goggles
Art.-no. 0899 1021 00



Over goggles, polycarbonate
Art.-no. 0899 102 230



Standard safety goggles
Clear Art.-no 0899 103 120



Standard safety goggles
Grey Art.-no 0899 103 121



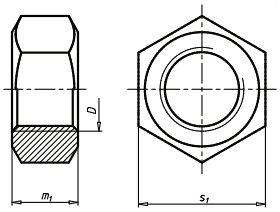
Standard safety goggles
Yellow Art.-no 0899 103 122



FASTENERS

DIN 934, A2 stainless steel, plain

Standards	DIN 934
Material	Stainless steel A2
Property class	50
Surface	Plain
RoHS-compliant	Yes



EDELSTAHL® Rostfrei

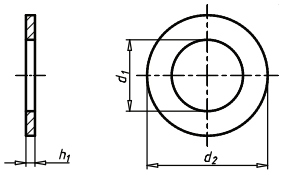


Thread type x nominal diameter (D)	Height (m_1)	External drive (s_1)	Art. no.	P. Qty.
M1	0.8 mm	WS2.5	**0322 1**	1000
M1.6	1.3 mm	WS3.2	**0322 15**	1000
M2	1.6 mm	WS4	**0322 2**	500/1000
M2.5	2 mm	WS5	**0322 25**	500/2000
M3	2.4 mm	WS5.5	**0322 3**	300/2000 /6000
M3.5	2.8 mm	WS6	**0322 35**	1000
M4	3.2 mm	WS7	**0322 4**	300/500 /2000 /4000
M5	4 mm	WS8	**0322 5**	300/500 /2000 /2500
M6	5 mm	WS10	**0322 6**	300/500 /2000 /4000
M8	6.5 mm	WS13	**0322 8**	100/500
M10	8 mm	WS17	**0322 10**	100/500
M12	10 mm	WS19	**0322 12**	50/100 /250
M14	11 mm	WS22	**0322 14**	50/100
M16	13 mm	WS24	**0322 16**	50/100 /200/400
M18	15 mm	WS27	**0322 18**	50/100
M20	16 mm	WS30	**0322 20**	25/50 /100
M22	18 mm	WS32	**0322 22**	5/50
M24	19 mm	WS36	**0322 24**	5/50
M27	22 mm	WS41	**0322 27**	5/25
M30	24 mm	WS46	**0322 30**	5/25
M33	26 mm	WS50	**0322 33**	5/25
M36	29 mm	WS55	**0322 36**	5/10
M39	31 mm	WS60	**0322 39**	10
M42	34 mm	WS65	**0322 42**	10
M48	38 mm	WS75	**0322 48**	5

FASTENERS

DIN 125 stainless steel A2

Standards	DIN 125
Material	Stainless steel A2
Vickers hardness, HV	140 HV
Surface	Plain
RoHS-compliant	Yes



EDELSTAHL® Rostfrei



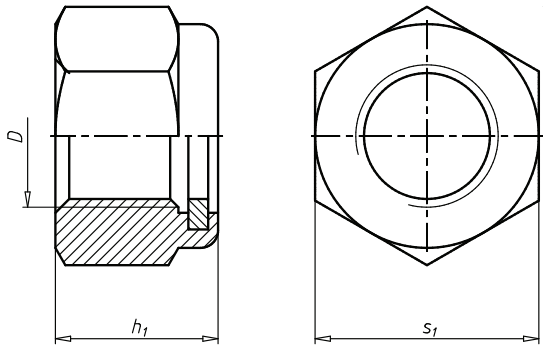
Suitable for screw thread	Internal diameter (d_1)	Outer diameter (d_2)	Thickness (h_1)	Form	Art. no.	P. Qty.
M1.7	1.8 mm	4.5 mm	0.3 mm	A	**0409 17**	5000
M2	2.2 mm	5 mm	0.3 mm	A	**0409 2**	1000 /2000
M2.3	2.5 mm	6 mm	0.5 mm	A	**0409 23**	10000
M2.5	2.7 mm	6 mm	0.5 mm	A	**0409 25**	1000 /10000
M3	3.2 mm	7 mm	0.5 mm	A	**0409 3**	500/1000
M3.5	3.7 mm	8 mm	0.5 mm	A	**0409 34**	1000
M4	4.3 mm	9 mm	0.8 mm	A	**0409 4**	300/1000 /2000
M5	5.3 mm	10 mm	1 mm	A	**0409 5**	300/1000 /5000
M6	6.4 mm	12 mm	1.6 mm	A	**0409 6**	300/1000 /2000
M7	7.4 mm	14 mm	1.6 mm	A	**0409 7**	1000
M8	8.4 mm	16 mm	1.6 mm	A	**0409 8**	100/300 /1000
M10	10.5 mm	20 mm	2 mm	A	**0409 10**	100/500 /1000
M12	13 mm	24 mm	2.5 mm	A	**0409 12**	100 /300/500 /1000
M14	15 mm	28 mm	2.5 mm	A	**0409 14**	50/100 /500
M16	17 mm	30 mm	3 mm	A	**0409 16**	100/250 /500
M18	19 mm	34 mm	3 mm	A	**0409 18**	200
M20	21 mm	37 mm	3 mm	A	**0409 20**	50/100 /250
M22	23 mm	39 mm	3 mm	A	**0409 22**	100/300
M24	25 mm	44 mm	4 mm	A	**0409 24**	50/100
M27	28 mm	50 mm	4 mm	A	**0409 27**	50/100
M30	31 mm	56 mm	4 mm	A	**0409 30**	25/50
M33	34 mm	60 mm	5 mm	A	**0409 33**	25
M36	37 mm	66 mm	5 mm	A	**0409 36**	50
M42	43 mm	78 mm	7 mm	A	**0409 42**	50
M45	46 mm	85 mm	7 mm	A	**0409 45**	10
M48	50 mm	92 mm	8 mm	A	**0409 48**	10
M52	54 mm	98 mm	8 mm	A	**0409 52**	10
M60	62 mm	110 mm	9 mm	A	**0409 60**	5

Hexagonal nut, high profile with clamping piece (non-metal insert)

DIN 982, stainless steel, A2, plain

Material	Stainless steel A2
Surface	Plain
RoHS-compliant	Yes
Locking device operating principle	Clamping part polyamide ring
Locking function	Locking against losing by clamping





Thread type x nominal diameter (D)	Height (h_1)	External drive (s_1)	Standards	Art. no.	P. Qty.
M4	6 mm	WS7	DIN 982 UNI 7473	**0391 014**	1000
M5	6.3 mm	WS8	DIN 982	**0391 015**	50/1000
M6	8 mm	WS10	DIN 982	**0391 016**	50/1000
M8	9.5 mm	WS13	DIN 982	**0391 018**	50/1000
M10	11.5 mm	WS17	DIN 982	**0391 011 0**	50/500
M12	14 mm	WS19	DIN 982	**0391 011 2**	50/250
M14	16 mm	WS22	DIN 982	**0391 011 4**	100
M16	18 mm	WS24	DIN 982	**0391 011 6**	50/100
M20	22 mm	WS30	DIN 982	**0391 012 0**	50

Notice

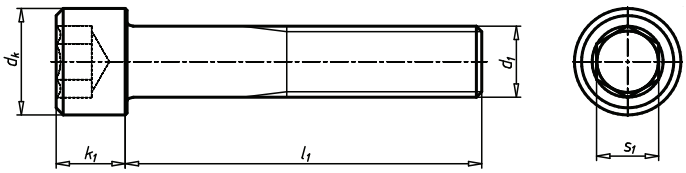
DIN 982 has been withdrawn and replaced by ISO 7040. There is some limited similarity (Threads M7, M18, M22 removed | Threads M3, M4, M30 and M36 were additionally included | Nut height changed | Width across flats for threads M10, M12 and M14 changed to 16 mm, 18 mm and 21 mm | Fine thread was included in ISO 10512 | Strength class 12 removed | ISO 7040 valid for strength classes 5, 8, 10).

Hexagon Socket Head Cap Screw

ISO 4762/DIN 912 stainless steel, A2-80, plain

Standards	ISO 4762
Material	Stainless steel A2
Property class	80
RoHS-compliant	Yes





Thread type x nominal diameter (d_1)	Length (l_1)	Head diameter (d_k)	Head height (k_1)	Internal drive (s_1)	Art. no.	P. Qty.
M4	30 mm	7 mm	4 mm	HS3	**0094 04 30**	500
M4	35 mm	7 mm	4 mm	HS3	**0094 04 35**	500
M5	10 mm	8.5 mm	5 mm	HS4	**0094 05 10**	200
M5	16 mm	8.5 mm	5 mm	HS4	**0094 05 16**	500
M5	30 mm	8.5 mm	5 mm	HS4	**0094 05 30**	500
M5	40 mm	8.5 mm	5 mm	HS4	**0094 05 40**	500
M6	16 mm	10 mm	6 mm	HS5	**0094 06 16**	500
M6	20 mm	10 mm	6 mm	HS5	**0094 06 20**	1
M6	25 mm	10 mm	6 mm	HS5	**0094 06 25**	200
M6	35 mm	10 mm	6 mm	HS5	**0094 06 35**	1
M6	45 mm	10 mm	6 mm	HS5	**0094 06 45**	1
M6	50 mm	10 mm	6 mm	HS5	**0094 06 50**	300
M6	55 mm	10 mm	6 mm	HS5	**0094 06 55**	100
M8	10 mm	13 mm	8 mm	HS6	**0094 08 10**	200
M8	12 mm	13 mm	8 mm	HS6	**0094 08 12**	100
M8	25 mm	13 mm	8 mm	HS6	**0094 08 25**	200
M8	30 mm	13 mm	8 mm	HS6	**0094 08 30**	200
M8	35 mm	13 mm	8 mm	HS6	**0094 08 35**	200
M8	40 mm	13 mm	8 mm	HS6	**0094 08 40**	100
M8	50 mm	13 mm	8 mm	HS6	**0094 08 50**	100
M8	60 mm	13 mm	8 mm	HS6	**0094 08 60**	500
M8	80 mm	13 mm	8 mm	HS6	**0094 08 80**	100
M8	120 mm	13 mm	8 mm	HS6	**0094 08 120**	10
M10	20 mm	16 mm	10 mm	HS8	**0094 010 20**	1
M10	25 mm	16 mm	10 mm	HS8	**0094 010 25**	200
M10	30 mm	16 mm	10 mm	HS8	**0094 010 30**	100
M10	35 mm	16 mm	10 mm	HS8	**0094 010 35**	100
M12	20 mm	18 mm	12 mm	HS10	**0094 012 20**	1
M12	25 mm	18 mm	12 mm	HS10	**0094 012 25**	50
M12	35 mm	18 mm	12 mm	HS10	**0094 012 35**	50
M12	40 mm	18 mm	12 mm	HS10	**0094 012 40**	50
M12	45 mm	18 mm	12 mm	HS10	**0094 012 45**	100

A4 HOSE CLAMP







Fig. 1

ZEBRA QUALITY

With asymmetrical lock made completely of stainless steel.

Application

- Fuel line systems
- Lines carrying air
- Cooling water/heating
- General bracket/fastener

Advantage

Asymmetrical housing (Fig. 1)

- Uniform distribution of force
- Clamp head does not tilt away during tightening

Indented strap interior, rounded edges

- Prevents injury and hose damage

Technical Data	
Material of strap/housing	1.4401 stainless steel A4
Material of screw	1.4401 stainless steel A4
Screw type	Slit
Strap widths	9 mm/12 mm
Size	7 mm

Delivery overview

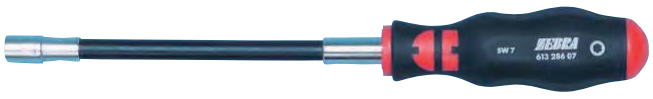
Strap width 9 mm

Strap width in mm	Clamping range in mm	Art. No.	P. Qty.
9	8 - 16	**0538 008 16**	**25**
	12 - 22	**0538 012 22**	
	16 - 27	**0538 016 27**	
	20 - 32	**0538 020 32**	
	25 - 40	**0538 025 40**	
	32 - 50	**0538 032 50**	
	40 - 60	**0538 040 60**	

Strap width 12 mm

Strap width in mm	Clamping range in mm	Art. No.	P. Qty.
12	16 - 27	**0538 16 27**	25
	20 - 32	**0538 20 32**	
	25 - 40	**0538 25 40**	
	35 - 50	**0538 35 50**	
	40 - 60	**0538 40 60**	
	50 - 70	**0538 50 70**	
	60 - 80	**0538 60 80**	
	70 - 90	**0538 70 90**	
	80 - 100	**0538 80 100**	
	90 - 110	**0538 90 110**	10
	100 - 120	**0538 100 120**	
	110 - 130	**0538 110 130**	
	120 - 140	**0538 120 140**	
	130 - 150	**0538 130 150**	

Additional Products



ZEBRA QUALITY

7 mm Screwdriver
with flexible shaft

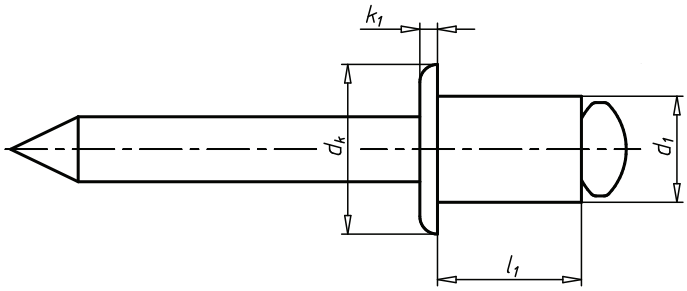
Art. No. 0613 286 07
P. Qty. 1

Blind rivet, flat head

Sleeve: A2 stainless steel. Mandrel: A2 stainless steel

Material of the sleeve	Stainless steel A2
Material of the mandrel	Stainless steel A2
Surface of the sleeve	Plain
Surface of the mandrel	Plain





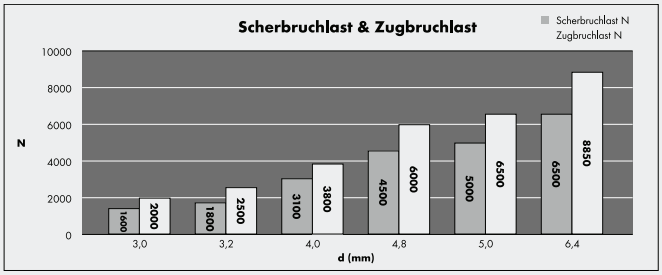
30.11

Nominal diameter x length (d1 x l1)	Min./max. grip range	Head diameter (d_k)	Head height (k_1)	Min./max. drill hole diameter	Shear-fracture load	Tensile fracture load	Art. no.	P. Qty.
3 x 6 mm	1-3 mm	6.5 mm	0.8 mm	3.1-3.2 mm	1600 N	2000 N	**0931 930 6**	500
3 x 8 mm	3-5 mm	6.5 mm	0.8 mm	3.1-3.2 mm	1600 N	2000 N	**0931 930 8**	500/1000
3 x 10 mm	5-7 mm	6.5 mm	0.8 mm	3.1-3.2 mm	1600 N	2000 N	**0931 930 10**	500
3 x 12 mm	7-9 mm	6.5 mm	0.8 mm	3.1-3.2 mm	1600 N	2000 N	**0931 930 12**	500/1500
3.2 x 6 mm	1-3 mm	6.5 mm	0.8 mm	3.3-3.4 mm	1800 N	2300 N	**0931 932 6**	500/1000
3.2 x 8 mm	3-5 mm	6.5 mm	0.8 mm	3.3-3.4 mm	1800 N	2300 N	**0931 932 8**	500/2500
3.2 x 10 mm	5-7 mm	6.5 mm	0.8 mm	3.3-3.4 mm	1800 N	2300 N	**0931 932 10**	500
3.2 x 12 mm	7-9 mm	6.5 mm	0.8 mm	3.3-3.4 mm	1800 N	2300 N	**0931 932 12**	500
3.2 x 16 mm	9-13 mm	6.5 mm	0.8 mm	3.3-3.4 mm	1800 N	2500 N	**0931 32 16**	1500
4 x 6 mm	1-2.5 mm	8 mm	1 mm	4.1-4.2 mm	3000 N	3800 N	**0931 940 6**	100/500 /1500
4 x 8 mm	2.5-4.5 mm	8 mm	1 mm	4.1-4.2 mm	3000 N	3800 N	**0931 940 8**	100/500 /2000
4 x 10 mm	4.5-6.5 mm	8 mm	1 mm	4.1-4.2 mm	3000 N	3800 N	**0931 940 10**	100/500
4 x 12 mm	6.5-8.5 mm	8 mm	1 mm	4.1-4.2 mm	3000 N	3800 N	**0931 940 12**	100/500 /1500
4 x 14 mm	8.5-10.5 mm	8 mm	1 mm	4.1-4.2 mm	3000 N	3800 N	**0931 940 14**	100/500
4 x 16 mm	10.5-12 mm	8 mm	1 mm	4.1-4.2 mm	3000 N	3800 N	**0931 940 16**	100/500
4 x 18 mm	12-14 mm	8 mm	1 mm	4.1-4.2 mm	3000 N	3800 N	**0931 940 18**	100/500
4 x 20 mm	14-16 mm	8 mm	1 mm	4.1-4.2 mm	3000 N	3800 N	**0931 940 20**	100/500 /1000
4.8 x 8 mm	1.5-4 mm	9.5 mm	1.2 mm	4.9-5 mm	4500 N	6000 N	**0931 948 8**	100/500 /1000
4.8 x 10 mm	4-6 mm	9.5 mm	1.2 mm	4.9-5 mm	4500 N	6000 N	**0931 948 10**	100/500

Nominal diameter x length (d1 x l1)	Min./max. grip range	Head diameter (d_k)	Head height (k_1)	Min./max. drill hole diameter	Shear-fracture load	Tensile fracture load	Art. no.	P. Qty.
4.8 x 12 mm	6-8 mm	9.5 mm	1.2 mm	4.9-5 mm	4500 N	6000 N	**0931 948 12**	100/500 /1000
4.8 x 14 mm	8-9.5 mm	9.5 mm	1.2 mm	4.9-5 mm	4500 N	6000 N	**0931 948 14**	100/500
4.8 x 16 mm	9.5-11 mm	9.5 mm	1.2 mm	4.9-5 mm	4500 N	6000 N	**0931 948 16**	100/500
5 x 8 mm	2-4 mm	9.5 mm	1.2 mm	5.1-5.2 mm	5000 N	6500 N	**0931 950 8**	100/250 /500
5 x 10 mm	4-6 mm	9.5 mm	1.2 mm	5.1-5.2 mm	5000 N	6500 N	**0931 950 10**	100/250 /1250
5 x 12 mm	6-8 mm	9.5 mm	1.2 mm	5.1-5.2 mm	5000 N	6500 N	**0931 950 12**	100/250 /500
5 x 14 mm	8-10 mm	9.5 mm	1.2 mm	5.1-5.2 mm	5000 N	6500 N	**0931 950 14**	100/250
5 x 16 mm	10-12 mm	9.5 mm	1.2 mm	5.1-5.2 mm	5000 N	6500 N	**0931 950 16**	100/250 /500
6.4 x 10 mm	2-4 mm	13 mm	1.9 mm	6.5-6.6 mm	7500 N	9300 N	**0931 964 10**	250
6.4 x 12 mm	4-6 mm	13 mm	1.9 mm	6.5-6.6 mm	7500 N	9300 N	**0931 964 12**	250
6.4 x 15 mm	6-9 mm	13 mm	1.9 mm	6.5-6.6 mm	7500 N	9300 N	**0931 964 15**	250
6.4 x 18 mm	9-13 mm	13 mm	1.9 mm	6.5-6.6 mm	7500 N	9300 N	**0931 964 18**	250

Can be stored in ORSY system

Details/Application

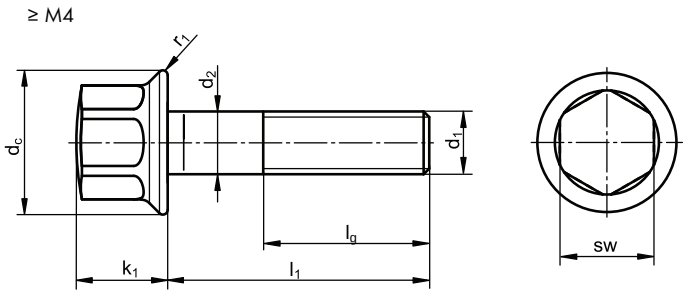


Hexagon bolt with collar Hygienic USIT®

For the dead space-free sealing of screw connections in hygiene areas

- Ensures a dead space-free seal in combination with the Hygienic USIT® sealing washers and washers and the specially modified hexagon bolt
- Easy to clean thanks to its polished surface
- Virtually no adhesion of dirt particles thanks to the extremely low surface roughness of < 0.8 µm
- No depressions, indentations or embossings which promote germ infestation
- Suitable for areas in contact with the product in combination with USIT® sealing washers and washers





Material	Stainless steel A4, 1.4404
Property class	70
Surface	Plain
Design	High gloss polished Ra < 0,8 µm
RoHS-compliant	Yes
Area of application	For hygienic requirements
Head type	Hexagon head with flange
Drive type	Outer hexagon
Thread format	Standard metric thread

Thread type x nominal diameter (d_1)	Length (l_1)	Head height (k_1)	Head diameter (d_c)	External drive (sw)	Thread length (metric thread) (l_g)	Shaft diameter (d_2)	Radius (r_1)	Art. No.	P. Qty.
M4	8 mm	6.3 mm	10.8 mm	WS7	8 mm		0.9	**5099 710 408**	5
M4	10 mm	6.9 mm	10.8 mm	WS7	10 mm		0.9	**5099 710 410**	5
M4	12 mm	6.9 mm	10.8 mm	WS7	12 mm		0.9	**5099 710 412**	5
M4	16 mm	6.9 mm	10.8 mm	WS7	16 mm		0.9	**5099 710 416**	5
M4	20 mm	6.9 mm	10.8 mm	WS7	20 mm		0.9	**5099 710 420**	5
M4	25 mm	6.9 mm	10.8 mm	WS7	14 mm	4 mm	0.9	**5099 710 425**	5
M4	30 mm	6.9 mm	10.8 mm	WS7	14 mm	4 mm	0.9	**5099 710 430**	5
M4	35 mm	6.9 mm	10.8 mm	WS7	14 mm	4 mm	0.9	**5099 710 435**	5
M4	40 mm	6.9 mm	10.8 mm	WS7	14 mm	4 mm	0.9	**5099 710 440**	5
M5	10 mm	8.5 mm	11.8 mm	WS8	10 mm		1	**5099 710 510**	5
M5	12 mm	8.5 mm	11.8 mm	WS8	12 mm		1	**5099 710 512**	5
M5	16 mm	8.5 mm	11.8 mm	WS8	16 mm		1	**5099 710 516**	5
M5	20 mm	8.5 mm	11.8 mm	WS8	20 mm		1	**5099 710 520**	5
M5	25 mm	8.5 mm	11.8 mm	WS8	16 mm	5 mm	1	**5099 710 525**	5
M5	30 mm	8.5 mm	11.8 mm	WS8	16 mm	5 mm	1	**5099 710 530**	5
M5	35 mm	8.5 mm	11.8 mm	WS8	16 mm	5 mm	1	**5099 710 535**	5
M5	40 mm	8.5 mm	11.8 mm	WS8	16 mm	5 mm	1	**5099 710 540**	5
M5	45 mm	8.5 mm	11.8 mm	WS8	16 mm	5 mm	1	**5099 710 545**	5
M5	50 mm	8.5 mm	11.8 mm	WS8	16 mm	5 mm	1	**5099 710 550**	5
M6	12 mm	9.2 mm	14 mm	WS10	12 mm		1.1	**5099 710 612**	5
M6	16 mm	9.2 mm	14 mm	WS10	16 mm		1.1	**5099 710 616**	5
M6	20 mm	9.2 mm	14 mm	WS10	20 mm		1.1	**5099 710 620**	5

Thread type x nominal diameter (d_1)	Length (l_1)	Head height (k_1)	Head diameter (d_c)	External drive (sw)	Thread length (metric thread) (l_g)	Shaft diameter (d_2)	Radius (r_1)	Art. No.	P. Qty.
M6	25 mm	9.2 mm	14 mm	WS10	25 mm		1.1	**5099 710 625**	5
M6	30 mm	9.2 mm	14 mm	WS10	18 mm	6 mm	1.1	**5099 710 630**	5
M6	35 mm	9.2 mm	14 mm	WS10	18 mm	6 mm	1.1	**5099 710 635**	5
M6	40 mm	9.2 mm	14 mm	WS10	18 mm	6 mm	1.1	**5099 710 640**	5
M6	45 mm	9.2 mm	14 mm	WS10	18 mm	6 mm	1.1	**5099 710 645**	5
M6	50 mm	9.2 mm	14 mm	WS10	18 mm	6 mm	1.1	**5099 710 650**	5
M6	60 mm	9.2 mm	14 mm	WS10	18 mm	6 mm	1.1	**5099 710 660**	5
M8	16 mm	11.7 mm	18 mm	WS13	16 mm		1.2	**5099 710 816**	1
M8	20 mm	11.7 mm	18 mm	WS13	20 mm		1.2	**5099 710 820**	1
M8	25 mm	11.7 mm	18 mm	WS13	25 mm		1.2	**5099 710 825**	1
M8	30 mm	11.7 mm	18 mm	WS13	30 mm		1.2	**5099 710 830**	1
M8	35 mm	11.7 mm	18 mm	WS13	35 mm		1.2	**5099 710 835**	1
M8	40 mm	11.7 mm	18 mm	WS13	22 mm	8 mm	1.2	**5099 710 840**	1
M8	45 mm	11.7 mm	18 mm	WS13	22 mm	8 mm	1.2	**5099 710 845**	1
M8	50 mm	11.7 mm	18 mm	WS13	22 mm	8 mm	1.2	**5099 710 850**	1
M8	60 mm	11.7 mm	18 mm	WS13	22 mm	8 mm	1.2	**5099 710 860**	1
M8	70 mm	11.7 mm	18 mm	WS13	22 mm	8 mm	1.2	**5099 710 870**	1
M8	80 mm	11.7 mm	18 mm	WS13	22 mm	8 mm	1.2	**5099 710 880**	1
M10	20 mm	14 mm	22 mm	WS16	20 mm		1.5	**5099 711 020**	1
M10	25 mm	14 mm	22 mm	WS16	25 mm		1.5	**5099 711 025**	1
M10	30 mm	14 mm	22 mm	WS16	30 mm		1.5	**5099 711 030**	1
M10	35 mm	14 mm	22 mm	WS16	35 mm		1.5	**5099 711 035**	1
M10	40 mm	14 mm	22 mm	WS16	40 mm		1.5	**5099 711 040**	1
M10	45 mm	14 mm	22 mm	WS16	26 mm	10 mm	1.5	**5099 711 045**	1
M10	50 mm	14 mm	22 mm	WS16	26 mm	10 mm	1.5	**5099 711 050**	1
M10	60 mm	14 mm	22 mm	WS16	26 mm	10 mm	1.5	**5099 711 060**	1
M10	70 mm	14 mm	22 mm	WS16	26 mm	10 mm	1.5	**5099 711 070**	1
M10	80 mm	14 mm	22 mm	WS16	26 mm	10 mm	1.5	**5099 711 080**	1
M12	25 mm	17 mm	26.6 mm	WS18	25 mm		1.8	**5099 711 225**	1
M12	30 mm	17 mm	26.6 mm	WS18	30 mm		1.8	**5099 711 230**	1
M12	35 mm	17 mm	26.6 mm	WS18	35 mm		1.8	**5099 711 235**	1
M12	40 mm	17 mm	26.6 mm	WS18	40 mm		1.8	**5099 711 240**	1
M12	45 mm	17 mm	26.6 mm	WS18	45 mm		1.8	**5099 711 245**	1
M12	50 mm	17 mm	26.6 mm	WS18	30 mm	12 mm	1.8	**5099 711 250**	1
M12	60 mm	17 mm	26.6 mm	WS18	30 mm	12 mm	1.8	**5099 711 260**	1
M12	70 mm	17 mm	26.6 mm	WS18	30 mm	12 mm	1.8	**5099 711 270**	1
M12	80 mm	17 mm	26.6 mm	WS18	30 mm	12 mm	1.8	**5099 711 280**	1
M16	30 mm	21.8 mm	35 mm	WS24	30 mm		2.4	**5099 711 630**	1
M16	35 mm	21.8 mm	35 mm	WS24	35 mm		2.4	**5099 711 635**	1
M16	40 mm	21.8 mm	35 mm	WS24	40 mm		2.4	**5099 711 640**	1
M16	45 mm	21.8 mm	35 mm	WS24	45 mm		2.4	**5099 711 645**	1
M16	50 mm	21.8 mm	35 mm	WS24	50 mm		2.4	**5099 711 650**	1
M16	60 mm	21.8 mm	35 mm	WS24	60 mm		2.4	**5099 711 660**	1
M16	70 mm	21.8 mm	35 mm	WS24	38 mm	16 mm	2.4	**5099 711 670**	1
M16	80 mm	21.8 mm	35 mm	WS24	38 mm	16 mm	2.4	**5099 711 680**	1

Notice

A dead space-free seal is ensured only in combination with the USIT® sealing washers and washers.

Related products for	Designation	Art. No.
5099 710 408	Cap nut with collar Hygienic USIT®	**5099 770 004**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 004**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 004**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 004**
5099 710 410	Cap nut with collar Hygienic USIT®	**5099 770 004**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 004**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 004**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 004**
5099 710 412	Cap nut with collar Hygienic USIT®	**5099 770 004**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 004**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 004**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 004**
5099 710 416	Cap nut with collar Hygienic USIT®	**5099 770 004**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 004**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 004**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 004**
5099 710 420	Cap nut with collar Hygienic USIT®	**5099 770 004**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 004**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 004**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 004**
5099 710 425	Cap nut with collar Hygienic USIT®	**5099 770 004**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 004**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 004**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 004**
5099 710 430	Cap nut with collar Hygienic USIT®	**5099 770 004**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 004**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 004**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 004**
5099 710 435	Cap nut with collar Hygienic USIT®	**5099 770 004**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 004**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 004**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 004**
5099 710 440	Cap nut with collar Hygienic USIT®	**5099 770 004**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 004**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 004**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 004**
5099 710 510	Cap nut with collar Hygienic USIT®	**5099 770 005**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 005**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 005**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 005**
5099 710 512	Cap nut with collar Hygienic USIT®	**5099 770 005**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 005**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 005**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 005**
5099 710 516	Cap nut with collar Hygienic USIT®	**5099 770 005**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 005**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 005**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 005**
5099 710 520	Cap nut with collar Hygienic USIT®	**5099 770 005**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 005**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 005**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 005**

Related products for	Designation	Art. No.
5099 710 525	Cap nut with collar Hygienic USIT®	**5099 770 005**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 005**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 005**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 005**
5099 710 530	Cap nut with collar Hygienic USIT®	**5099 770 005**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 005**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 005**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 005**
5099 710 535	Cap nut with collar Hygienic USIT®	**5099 770 005**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 005**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 005**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 005**
5099 710 540	Cap nut with collar Hygienic USIT®	**5099 770 005**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 005**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 005**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 005**
5099 710 545	Cap nut with collar Hygienic USIT®	**5099 770 005**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 005**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 005**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 005**
5099 710 550	Cap nut with collar Hygienic USIT®	**5099 770 005**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 005**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 005**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 005**
5099 710 612	Cap nut with collar Hygienic USIT®	**5099 770 006**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 006**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 006**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 006**
5099 710 616	Cap nut with collar Hygienic USIT®	**5099 770 006**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 006**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 006**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 006**
5099 710 620	Cap nut with collar Hygienic USIT®	**5099 770 006**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 006**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 006**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 006**
5099 710 625	Cap nut with collar Hygienic USIT®	**5099 770 006**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 006**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 006**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 006**
5099 710 630	Cap nut with collar Hygienic USIT®	**5099 770 006**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 006**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 006**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 006**
5099 710 635	Cap nut with collar Hygienic USIT®	**5099 770 006**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 006**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 006**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 006**
5099 710 640	Cap nut with collar Hygienic USIT®	**5099 770 006**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 006**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 006**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 006**

Related products for	Designation	Art. No.
5099 710 645	Cap nut with collar Hygienic USIT®	**5099 770 006**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 006**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 006**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 006**
5099 710 650	Cap nut with collar Hygienic USIT®	**5099 770 006**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 006**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 006**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 006**
5099 710 660	Cap nut with collar Hygienic USIT®	**5099 770 006**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 006**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 006**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 006**
5099 710 816	Cap nut with collar Hygienic USIT®	**5099 770 008**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 008**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 008**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 008**
5099 710 820	Cap nut with collar Hygienic USIT®	**5099 770 008**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 008**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 008**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 008**
5099 710 825	Cap nut with collar Hygienic USIT®	**5099 770 008**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 008**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 008**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 008**
5099 710 830	Cap nut with collar Hygienic USIT®	**5099 770 008**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 008**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 008**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 008**
5099 710 835	Cap nut with collar Hygienic USIT®	**5099 770 008**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 008**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 008**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 008**
5099 710 840	Cap nut with collar Hygienic USIT®	**5099 770 008**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 008**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 008**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 008**
5099 710 845	Cap nut with collar Hygienic USIT®	**5099 770 008**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 008**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 008**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 008**
5099 710 850	Cap nut with collar Hygienic USIT®	**5099 770 008**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 008**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 008**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 008**
5099 710 860	Cap nut with collar Hygienic USIT®	**5099 770 008**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 008**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 008**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 008**
5099 710 870	Cap nut with collar Hygienic USIT®	**5099 770 008**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 008**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 008**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 008**

Related products for	Designation	Art. No.
5099 710 880	Cap nut with collar Hygienic USIT®	**5099 770 008**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 008**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 008**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 008**
5099 711 020	Cap nut with collar Hygienic USIT®	**5099 770 010**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 010**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 010**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 010**
5099 711 025	Cap nut with collar Hygienic USIT®	**5099 770 010**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 010**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 010**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 010**
5099 711 030	Cap nut with collar Hygienic USIT®	**5099 770 010**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 010**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 010**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 010**
5099 711 035	Cap nut with collar Hygienic USIT®	**5099 770 010**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 010**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 010**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 010**
5099 711 040	Cap nut with collar Hygienic USIT®	**5099 770 010**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 010**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 010**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 010**
5099 711 045	Cap nut with collar Hygienic USIT®	**5099 770 010**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 010**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 010**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 010**
5099 711 050	Cap nut with collar Hygienic USIT®	**5099 770 010**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 010**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 010**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 010**
5099 711 060	Cap nut with collar Hygienic USIT®	**5099 770 010**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 010**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 010**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 010**
5099 711 070	Cap nut with collar Hygienic USIT®	**5099 770 010**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 010**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 010**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 010**
5099 711 080	Cap nut with collar Hygienic USIT®	**5099 770 010**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 010**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 010**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 010**
5099 711 225	Cap nut with collar Hygienic USIT®	**5099 770 012**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 012**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 012**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 012**
5099 711 230	Cap nut with collar Hygienic USIT®	**5099 770 012**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 012**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 012**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 012**

Related products for	Designation	Art. No.
5099 711 235	Cap nut with collar Hygienic USIT®	**5099 770 012**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 012**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 012**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 012**
5099 711 240	Cap nut with collar Hygienic USIT®	**5099 770 012**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 012**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 012**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 012**
5099 711 245	Cap nut with collar Hygienic USIT®	**5099 770 012**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 012**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 012**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 012**
5099 711 250	Cap nut with collar Hygienic USIT®	**5099 770 012**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 012**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 012**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 012**
5099 711 260	Cap nut with collar Hygienic USIT®	**5099 770 012**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 012**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 012**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 012**
5099 711 270	Cap nut with collar Hygienic USIT®	**5099 770 012**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 012**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 012**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 012**
5099 711 280	Cap nut with collar Hygienic USIT®	**5099 770 012**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 012**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 012**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 012**
5099 711 630	Cap nut with collar Hygienic USIT®	**5099 770 016**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 016**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 016**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 016**
5099 711 635	Cap nut with collar Hygienic USIT®	**5099 770 016**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 016**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 016**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 016**
5099 711 640	Cap nut with collar Hygienic USIT®	**5099 770 016**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 016**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 016**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 016**
5099 711 645	Cap nut with collar Hygienic USIT®	**5099 770 016**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 016**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 016**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 016**
5099 711 650	Cap nut with collar Hygienic USIT®	**5099 770 016**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 016**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 016**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 016**
5099 711 660	Cap nut with collar Hygienic USIT®	**5099 770 016**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 016**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 016**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 016**

Related products for	Designation	Art. No.
5099 711 670	Cap nut with collar Hygienic USIT®	**5099 770 016**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 016**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 016**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 016**
5099 711 680	Cap nut with collar Hygienic USIT®	**5099 770 016**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 016**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 016**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 016**

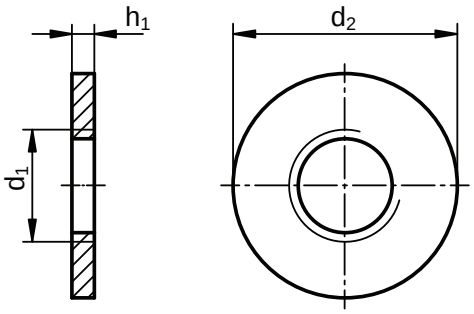
Washer for reduced shank screw Hygienic design

Suitable for hexagon bolts with hygienic design reduced shank screws to prevent accidental loss

- Complies with Machinery Directive 2006/42/EC in combination with the hygienic design hexagon bolt with thin shaft
- The connection element remains on the cover and cannot fall out unintentionally when the covers are removed



Material	Stainless steel A4, 1.4404
Surface	Plain
RoHS-compliant	Yes
Area of application	Machinery directive fulfillment



Suitable for screw	Outer diameter	Thickness	Art. No.	P. Qty.
M3	6 mm	1.5 mm	**5099 720 003**	5
M4	8 mm	1.5 mm	**5099 720 004**	5
M5	10 mm	1.5 mm	**5099 720 005**	5
M6	12 mm	1.5 mm	**5099 720 006**	5
M8	16 mm	2 mm	**5099 720 008**	1
M10	20 mm	2 mm	**5099 720 010**	1

Related products for	Designation	Art. No.
5099 720 004	Hexagon bolt with thin shaft Hygienic design	**5099 720 408**
	Hexagon bolt with thin shaft Hygienic design	**5099 720 410**
	Hexagon bolt with thin shaft Hygienic design	**5099 720 412**
	Hexagon bolt with thin shaft Hygienic design	**5099 720 416**
	Hexagon bolt with thin shaft Hygienic design	**5099 720 420**
5099 720 005	Hexagon bolt with thin shaft Hygienic design	**5099 720 510**
	Hexagon bolt with thin shaft Hygienic design	**5099 720 512**
	Hexagon bolt with thin shaft Hygienic design	**5099 720 516**
	Hexagon bolt with thin shaft Hygienic design	**5099 720 520**
	Hexagon bolt with thin shaft Hygienic design	**5099 720 525**

Related products for	Designation	Art. No.
5099 720 006	Hexagon bolt with thin shaft Hygienic design	**5099 720 612**
	Hexagon bolt with thin shaft Hygienic design	**5099 720 616**
	Hexagon bolt with thin shaft Hygienic design	**5099 720 620**
	Hexagon bolt with thin shaft Hygienic design	**5099 720 625**
	Hexagon bolt with thin shaft Hygienic design	**5099 720 630**
	Hexagon bolt with thin shaft Hygienic design	**5099 720 635**
	Hexagon bolt with thin shaft Hygienic design	**5099 720 640**
	Hexagon bolt with thin shaft Hygienic design	**5099 720 645**
	Hexagon bolt with thin shaft Hygienic design	**5099 720 650**
	Hexagon bolt with thin shaft Hygienic design	**5099 720 660**
5099 720 008	Hexagon bolt with thin shaft Hygienic design	**5099 720 816**
	Hexagon bolt with thin shaft Hygienic design	**5099 720 820**
	Hexagon bolt with thin shaft Hygienic design	**5099 720 825**
	Hexagon bolt with thin shaft Hygienic design	**5099 720 830**
	Hexagon bolt with thin shaft Hygienic design	**5099 720 835**
	Hexagon bolt with thin shaft Hygienic design	**5099 720 840**
	Hexagon bolt with thin shaft Hygienic design	**5099 720 845**
	Hexagon bolt with thin shaft Hygienic design	**5099 720 850**
	Hexagon bolt with thin shaft Hygienic design	**5099 720 860**
	Hexagon bolt with thin shaft Hygienic design	**5099 720 870**
5099 720 010	Hexagon bolt with thin shaft Hygienic design	**5099 721 020**
	Hexagon bolt with thin shaft Hygienic design	**5099 721 025**
	Hexagon bolt with thin shaft Hygienic design	**5099 721 030**
	Hexagon bolt with thin shaft Hygienic design	**5099 721 035**
	Hexagon bolt with thin shaft Hygienic design	**5099 721 040**
	Hexagon bolt with thin shaft Hygienic design	**5099 721 045**
	Hexagon bolt with thin shaft Hygienic design	**5099 721 050**
	Hexagon bolt with thin shaft Hygienic design	**5099 721 060**
	Hexagon bolt with thin shaft Hygienic design	**5099 721 070**
	Hexagon bolt with thin shaft Hygienic design	**5099 721 080**

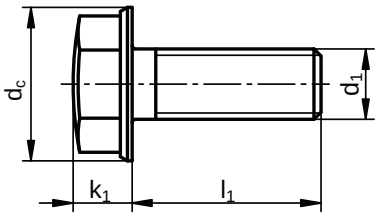
Low head hexagon bolt Hygienic design

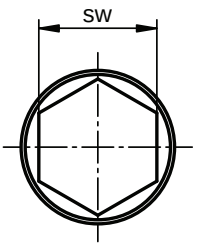
Polished screw in optimised shape for hygiene areas

- Suitable for visually appealing joints thanks to the polished surface finish of Ra < 0.8 µm
- Virtually no adhesion of dirt particles
- Easy to clean thanks to the large radii of the screw head



Material	Stainless steel A4, 1.4404
Property class	70
Surface	Plain
Design	Polished Ra < 0,8 µm
RoHS-compliant	Yes
Area of application	For hygienic requirements
Head type	Hexagon head with collar
Drive type	Outer hexagon
Thread format	Standard metric thread





Thread type x nominal diameter (d_1)	Length (l_1)	Head height (k_1)	Head diameter (d_c)	External drive (sw)	Art. No.	P. Qty.
M3	6 mm	3.8 mm	7 mm	WS5.5	**5099 730 306**	5
M3	8 mm	3.8 mm	7 mm	WS5.5	**5099 730 308**	5
M3	10 mm	3.8 mm	7 mm	WS5.5	**5099 730 310**	5
M3	12 mm	3.8 mm	7 mm	WS5.5	**5099 730 312**	5
M3	16 mm	3.8 mm	7 mm	WS5.5	**5099 730 316**	5
M3	20 mm	3.8 mm	7 mm	WS5.5	**5099 730 320**	5
M3	25 mm	3.8 mm	7 mm	WS5.5	**5099 730 325**	5
M3	30 mm	3.8 mm	7 mm	WS5.5	**5099 730 330**	5
M4	8 mm	4 mm	9.2 mm	WS7	**5099 730 408**	5
M4	10 mm	4 mm	9.2 mm	WS7	**5099 730 410**	5
M4	12 mm	4 mm	9.2 mm	WS7	**5099 730 412**	5
M4	16 mm	4 mm	9.2 mm	WS7	**5099 730 416**	5
M4	20 mm	4 mm	9.2 mm	WS7	**5099 730 420**	5
M4	25 mm	4 mm	9.2 mm	WS7	**5099 730 425**	5
M4	30 mm	4 mm	9.2 mm	WS7	**5099 730 430**	5
M4	35 mm	4 mm	9.2 mm	WS7	**5099 730 435**	5
M4	40 mm	4 mm	9.2 mm	WS7	**5099 730 440**	5
M5	10 mm	4.7 mm	10.5 mm	WS8	**5099 730 510**	5
M5	12 mm	4.7 mm	10.5 mm	WS8	**5099 730 512**	5
M5	16 mm	4.7 mm	10.5 mm	WS8	**5099 730 516**	5
M5	20 mm	4.7 mm	10.5 mm	WS8	**5099 730 520**	5
M5	25 mm	4.7 mm	10.5 mm	WS8	**5099 730 525**	5
M5	30 mm	4.7 mm	10.5 mm	WS8	**5099 730 530**	5

Thread type x nominal diameter (d_1)	Length (l_1)	Head height (k_1)	Head diameter (d_c)	External drive (sw)	Art. No.	P. Qty.
M5	35 mm	4.7 mm	10.5 mm	WS8	**5099 730 535**	5
M5	40 mm	4.7 mm	10.5 mm	WS8	**5099 730 540**	5
M5	45 mm	4.7 mm	10.5 mm	WS8	**5099 730 545**	5
M5	50 mm	4.7 mm	10.5 mm	WS8	**5099 730 550**	5
M6	12 mm	5 mm	13 mm	WS10	**5099 730 612**	5
M6	16 mm	5 mm	13 mm	WS10	**5099 730 616**	5
M6	20 mm	5 mm	13 mm	WS10	**5099 730 620**	5
M6	25 mm	5 mm	13 mm	WS10	**5099 730 625**	5
M6	30 mm	5 mm	13 mm	WS10	**5099 730 630**	5
M6	40 mm	5 mm	13 mm	WS10	**5099 730 640**	5
M6	45 mm	5 mm	13 mm	WS10	**5099 730 645**	5
M6	50 mm	5 mm	13 mm	WS10	**5099 730 650**	5
M6	60 mm	5 mm	13 mm	WS10	**5099 730 660**	5
M8	16 mm	6.5 mm	16.8 mm	WS13	**5099 730 816**	1
M8	20 mm	6.5 mm	16.8 mm	WS13	**5099 730 820**	1
M8	25 mm	6.5 mm	16.8 mm	WS13	**5099 730 825**	1
M8	30 mm	6.5 mm	16.8 mm	WS13	**5099 730 830**	1
M8	35 mm	6.5 mm	16.8 mm	WS13	**5099 730 835**	1
M8	40 mm	6.5 mm	16.8 mm	WS13	**5099 730 840**	1
M8	45 mm	6.5 mm	16.8 mm	WS13	**5099 730 845**	1
M8	50 mm	6.5 mm	16.8 mm	WS13	**5099 730 850**	1
M8	60 mm	6.5 mm	16.8 mm	WS13	**5099 730 860**	1
M10	20 mm	8.3 mm	20.6 mm	WS16	**5099 731 020**	1
M10	25 mm	8.3 mm	20.6 mm	WS16	**5099 731 025**	1
M10	30 mm	8.3 mm	20.6 mm	WS16	**5099 731 030**	1
M10	35 mm	8.3 mm	20.6 mm	WS16	**5099 731 035**	1
M10	40 mm	8.3 mm	20.6 mm	WS16	**5099 731 040**	1
M10	45 mm	8.3 mm	20.6 mm	WS16	**5099 731 045**	1
M10	50 mm	8.3 mm	20.6 mm	WS16	**5099 731 050**	1
M10	60 mm	8.3 mm	20.6 mm	WS16	**5099 731 060**	1

Notice

Not compatible with Hygienic USIT® sealing washers and washers for dead space-free screw connections.

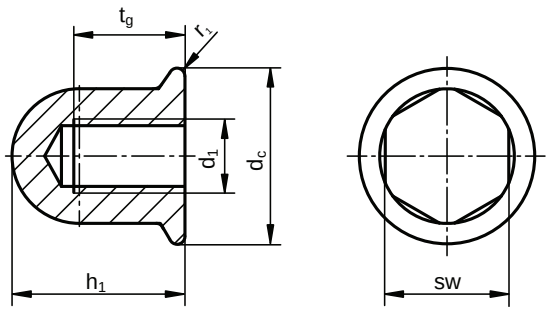
Cap nut with collar Hygienic USIT®

For the dead space-free sealing of screw connections in hygiene areas

- Easy to clean thanks to the high-gloss polished surface
- Virtually no adhesion of dirt particles thanks to the extremely low surface roughness of < 0.8 µm
- No depressions, indentations or embossings which promote germ infestation
- Suitable for areas in contact with the product in combination with USIT® sealing washers and washers



Material	Stainless steel A4, 1.4404
Property class	70
Surface	Plain
Design	High gloss polished Ra < 0,8 µm
RoHS-compliant	Yes
Area of application	For hygienic requirements
Drive type	Outer hexagon
Thread format	Standard metric thread
Radius (r_1)	0.45
Product weight (per item)	2.5 g



Thread type x nominal diameter (d_1)	Height (h_1)	Flange diameter (d_c)	Thread length (metric thread) (t_g)	External drive (sw)	Art. No.	P. Qty.
M4	10 mm	10.8 mm	7 mm	WS7	**5099 770 004**	5
M5	12 mm	11.8 mm	8 mm	WS8	**5099 770 005**	5
M6	14 mm	14.2 mm	9 mm	WS10	**5099 770 006**	5
M8	18 mm	18 mm	12 mm	WS13	**5099 770 008**	1
M10	22 mm	22.3 mm	15 mm	WS16	**5099 770 010**	1
M12	27 mm	26.6 mm	19 mm	WS18	**5099 770 012**	1
M16	30 mm	35 mm	22 mm	WS24	**5099 770 016**	1

Notice

A dead space-free seal is ensured only in combination with the USIT® sealing washers and washers.

Related products for	Designation	Art. No.
5099 770 004	Hexagon bolt with collar Hygienic USIT®	**5099 710 408**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 410**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 412**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 416**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 420**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 425**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 430**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 435**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 440**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 004**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 004**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 004**
5099 770 005	Hexagon bolt with collar Hygienic USIT®	**5099 710 510**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 512**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 516**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 520**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 525**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 530**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 535**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 540**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 545**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 550**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 005**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 005**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 005**
5099 770 006	Hexagon bolt with collar Hygienic USIT®	**5099 710 612**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 616**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 620**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 625**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 630**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 635**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 640**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 645**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 650**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 660**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 006**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 006**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 006**
5099 770 008	Hexagon bolt with collar Hygienic USIT®	**5099 710 816**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 820**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 825**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 830**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 835**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 840**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 845**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 850**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 860**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 870**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 880**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 008**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 008**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 008**

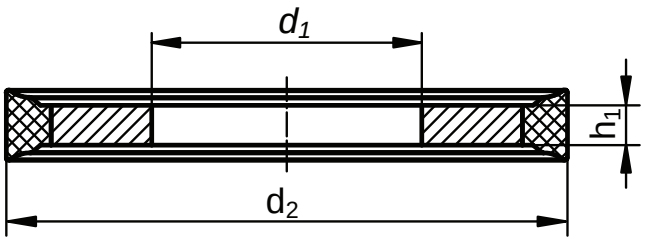
Related products for	Designation	Art. No.
5099 770 010	Hexagon bolt with collar Hygienic USIT®	**5099 711 020**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 025**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 030**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 035**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 040**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 045**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 050**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 060**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 070**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 080**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 010**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 010**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 010**
5099 770 012	Hexagon bolt with collar Hygienic USIT®	**5099 711 225**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 230**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 235**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 240**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 245**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 250**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 260**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 270**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 280**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 012**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 012**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 012**
5099 770 016	Hexagon bolt with collar Hygienic USIT®	**5099 711 630**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 635**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 640**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 645**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 650**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 660**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 670**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 680**
	Hygienic USIT® sealing washer and washer 70 EPDM 291 – black	**5099 781 016**
	Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white	**5099 782 016**
	Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue	**5099 783 016**

Hygienic USIT® sealing washer and washer 70 EPDM 291 – black

With elastomer bead for dead space-free sealing of screw connections

- The elastomer bead is not overloaded by the integrated stainless steel disc when tightening the screw connection
- Ensures a dead space-free seal
- The different sealing materials and colours meet the requirements of the respective users
- Ensures product-specific and easy detection
- Very good resistance to ageing, ozone and light
- High cold and heat resistance from approx. -50°C to +150°C
- Good elongation at tear and high tear resistance
- Very high abrasion resistance
- Very good resistance to water and polar and oxidative media
- Excellent elastic behaviour





Material	Stainless steel A4, 1.4404
Rubber seal	70 EPDM 291 Black
RoHS-compliant	Yes
Area of application	For hygienic requirements
Min./max. temperature resistance	-40 to 150 °C

Suitable for screw	Internal diameter (d_1)	Outer diameter (d_2)	Thickness (h_1)	Product weight (per item)	Art. No.	P. Qty.
M4	4.2 mm	9.7 mm	1 mm	0.25 g	**5099 781 004**	5
M5	5.2 mm	10.7 mm	1 mm	0.3 g	**5099 781 005**	5
M6	6.2 mm	13 mm	1 mm	0.6 g	**5099 781 006**	5
M8	8.2 mm	16.9 mm	1 mm	0.8 g	**5099 781 008**	1
M10	10.2 mm	21.2 mm	1.5 mm	2 g	**5099 781 010**	1
M12	12.2 mm	25.5 mm	1.5 mm	3.3 g	**5099 781 012**	1
M16	16.2 mm	33.9 mm	1.5 mm	6 g	**5099 781 016**	1

Details/Application

Predominantly used in the process and beverage industry and in dairies.

Notice

The Hygienic USIT® sealing washers and washers can be used with all other products of the Hygienic USIT® range.

Related products for	Designation	Art. No.
5099 781 004	Hexagon bolt with collar Hygienic USIT®	**5099 710 408**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 410**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 412**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 416**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 420**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 425**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 430**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 435**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 440**
	Mushroom button with female thread Hygienic USIT®	**5099 750 004**
	Mushroom button with male thread Hygienic USIT®	**5099 750 408**
	Wing nut Hygienic USIT®	**5099 760 004**
	Wing screw Hygienic USIT®	**5099 760 408**
	Cap nut with collar Hygienic USIT®	**5099 770 004**
5099 781 005	Hexagon bolt with collar Hygienic USIT®	**5099 710 510**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 512**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 516**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 520**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 525**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 530**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 535**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 540**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 545**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 550**
	Mushroom button with female thread Hygienic USIT®	**5099 750 005**
	Mushroom button with male thread Hygienic USIT®	**5099 750 510**
	Wing nut Hygienic USIT®	**5099 760 005**
	Wing screw Hygienic USIT®	**5099 760 510**
	Cap nut with collar Hygienic USIT®	**5099 770 005**
	Bow handle, bent Hygienic USIT®	**5099 795 120**
	Bow handle, bent Hygienic USIT®	**5099 795 200**
	Bow handle, bent Hygienic USIT®	**5099 795 300**
5099 781 006	Hexagon bolt with collar Hygienic USIT®	**5099 710 612**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 616**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 620**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 625**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 630**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 635**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 640**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 645**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 650**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 660**
	Mushroom button with female thread Hygienic USIT®	**5099 750 006**
	Mushroom button with male thread Hygienic USIT®	**5099 750 612**
	Wing nut Hygienic USIT®	**5099 760 006**
	Wing screw Hygienic USIT®	**5099 760 612**
	Cap nut with collar Hygienic USIT®	**5099 770 006**
	Bow handle, bent Hygienic USIT®	**5099 796 120**
	Bow handle, bent Hygienic USIT®	**5099 796 200**
	Bow handle, bent Hygienic USIT®	**5099 796 300**

Related products for	Designation	Art. No.
5099 781 008	Hexagon bolt with collar Hygienic USIT®	**5099 710 816**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 820**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 825**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 830**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 835**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 840**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 845**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 850**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 860**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 870**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 880**
	Mushroom button with female thread Hygienic USIT®	**5099 750 008**
	Mushroom button with male thread Hygienic USIT®	**5099 750 816**
	Wing nut Hygienic USIT®	**5099 760 008**
	Wing screw Hygienic USIT®	**5099 760 816**
	Cap nut with collar Hygienic USIT®	**5099 770 008**
	Bow handle, bent Hygienic USIT®	**5099 798 120**
	Bow handle, bent Hygienic USIT®	**5099 798 200**
	Bow handle, bent Hygienic USIT®	**5099 798 300**
5099 781 010	Hexagon bolt with collar Hygienic USIT®	**5099 711 020**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 025**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 030**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 035**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 040**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 045**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 050**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 060**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 070**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 080**
	Mushroom button with female thread Hygienic USIT®	**5099 750 010**
	Mushroom button with male thread Hygienic USIT®	**5099 751 020**
	Wing nut Hygienic USIT®	**5099 760 010**
	Wing screw Hygienic USIT®	**5099 761 020**
	Cap nut with collar Hygienic USIT®	**5099 770 010**
	Bow handle, bent Hygienic USIT®	**5099 791 120**
	Bow handle, bent Hygienic USIT®	**5099 791 200**
	Bow handle, bent Hygienic USIT®	**5099 791 300**
5099 781 012	Hexagon bolt with collar Hygienic USIT®	**5099 711 225**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 230**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 235**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 240**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 245**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 250**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 260**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 270**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 280**
	Cap nut with collar Hygienic USIT®	**5099 770 012**

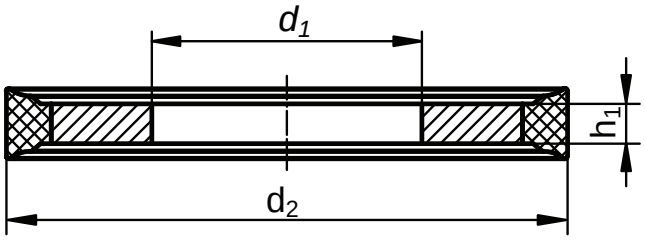
Related products for	Designation	Art. No.
5099 781 016	Hexagon bolt with collar Hygienic USIT®	**5099 711 630**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 635**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 640**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 645**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 650**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 660**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 670**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 680**
	Cap nut with collar Hygienic USIT®	**5099 770 016**

Hygienic USIT® sealing washer and washer 70 EPDM 253815 – white

With elastomer bead for dead space-free sealing of screw connections

- The elastomer bead is not overloaded by the integrated stainless steel disc when tightening the screw connection
- Ensures a dead space-free seal
- The different sealing materials and colours meet the requirements of the respective users
- Ensures product-specific and easy detection
- Very good resistance to ageing, ozone and light
- High cold and heat resistance from approx. -50°C to +150°C
- Good elongation at tear and high tear resistance
- Very high abrasion resistance
- Very good resistance to water and polar and oxidative media
- Excellent elastic behaviour





Material	Stainless steel A4, 1.4404
Rubber seal	70 EPDM 253815 White
RoHS-compliant	Yes
Area of application	For hygienic requirements
Min./max. temperature resistance	-40 to 150 °C

Suitable for screw	Internal diameter (d_1)	Outer diameter (d_2)	Thickness (h_1)	Product weight (per item)	Art. No.	P. Qty.
M4	4.2 mm	9.7 mm	1 mm	0.25 g	**5099 782 004**	5
M5	5.2 mm	10.7 mm	1 mm	0.3 g	**5099 782 005**	5
M6	6.2 mm	13 mm	1 mm	0.6 g	**5099 782 006**	5
M8	8.2 mm	16.9 mm	1 mm	0.8 g	**5099 782 008**	1
M10	10.2 mm	21.2 mm	1.5 mm	2 g	**5099 782 010**	1
M12	12.2 mm	25.5 mm	1.5 mm	3.3 g	**5099 782 012**	1
M16	16.2 mm	33.9 mm	1.5 mm	6 g	**5099 782 016**	1

Details/Application

Primarily used in medical technology and the pharmaceutical industry.

Notice

The Hygienic USIT® sealing washers and washers can be used with all other products of the Hygienic USIT® range.

Related products for	Designation	Art. No.
5099 782 004	Hexagon bolt with collar Hygienic USIT®	**5099 710 408**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 410**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 412**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 416**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 420**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 425**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 430**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 435**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 440**
	Mushroom button with female thread Hygienic USIT®	**5099 750 004**
	Mushroom button with male thread Hygienic USIT®	**5099 750 408**
	Wing nut Hygienic USIT®	**5099 760 004**
	Wing screw Hygienic USIT®	**5099 760 408**
	Cap nut with collar Hygienic USIT®	**5099 770 004**
5099 782 005	Hexagon bolt with collar Hygienic USIT®	**5099 710 510**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 512**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 516**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 520**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 525**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 530**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 535**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 540**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 545**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 550**
	Mushroom button with female thread Hygienic USIT®	**5099 750 005**
	Mushroom button with male thread Hygienic USIT®	**5099 750 510**
	Wing nut Hygienic USIT®	**5099 760 005**
	Wing screw Hygienic USIT®	**5099 760 510**
	Cap nut with collar Hygienic USIT®	**5099 770 005**
	Bow handle, bent Hygienic USIT®	**5099 795 120**
	Bow handle, bent Hygienic USIT®	**5099 795 200**
	Bow handle, bent Hygienic USIT®	**5099 795 300**
5099 782 006	Hexagon bolt with collar Hygienic USIT®	**5099 710 612**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 616**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 620**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 625**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 630**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 635**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 640**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 645**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 650**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 660**
	Mushroom button with female thread Hygienic USIT®	**5099 750 006**
	Mushroom button with male thread Hygienic USIT®	**5099 750 612**
	Wing nut Hygienic USIT®	**5099 760 006**
	Wing screw Hygienic USIT®	**5099 760 612**
	Cap nut with collar Hygienic USIT®	**5099 770 006**
	Bow handle, bent Hygienic USIT®	**5099 796 120**
	Bow handle, bent Hygienic USIT®	**5099 796 200**
	Bow handle, bent Hygienic USIT®	**5099 796 300**

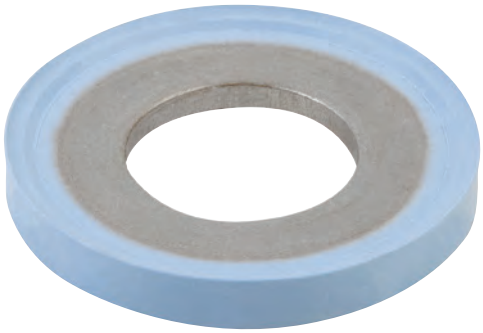
Related products for	Designation	Art. No.
5099 782 008	Hexagon bolt with collar Hygienic USIT®	**5099 710 816**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 820**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 825**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 830**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 835**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 840**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 845**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 850**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 860**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 870**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 880**
	Mushroom button with female thread Hygienic USIT®	**5099 750 008**
	Mushroom button with male thread Hygienic USIT®	**5099 750 816**
	Wing nut Hygienic USIT®	**5099 760 008**
	Wing screw Hygienic USIT®	**5099 760 816**
	Cap nut with collar Hygienic USIT®	**5099 770 008**
	Bow handle, bent Hygienic USIT®	**5099 798 120**
	Bow handle, bent Hygienic USIT®	**5099 798 200**
	Bow handle, bent Hygienic USIT®	**5099 798 300**
5099 782 010	Hexagon bolt with collar Hygienic USIT®	**5099 711 020**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 025**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 030**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 035**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 040**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 045**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 050**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 060**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 070**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 080**
	Mushroom button with female thread Hygienic USIT®	**5099 750 010**
	Mushroom button with male thread Hygienic USIT®	**5099 751 020**
	Wing nut Hygienic USIT®	**5099 760 010**
	Wing screw Hygienic USIT®	**5099 761 020**
	Cap nut with collar Hygienic USIT®	**5099 770 010**
	Bow handle, bent Hygienic USIT®	**5099 791 120**
	Bow handle, bent Hygienic USIT®	**5099 791 200**
	Bow handle, bent Hygienic USIT®	**5099 791 300**
5099 782 012	Hexagon bolt with collar Hygienic USIT®	**5099 711 225**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 230**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 235**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 240**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 245**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 250**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 260**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 270**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 280**
	Cap nut with collar Hygienic USIT®	**5099 770 012**

Related products for	Designation	Art. No.
5099 782 016	Hexagon bolt with collar Hygienic USIT®	**5099 711 630**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 635**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 640**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 645**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 650**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 660**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 670**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 680**
	Cap nut with collar Hygienic USIT®	**5099 770 016**

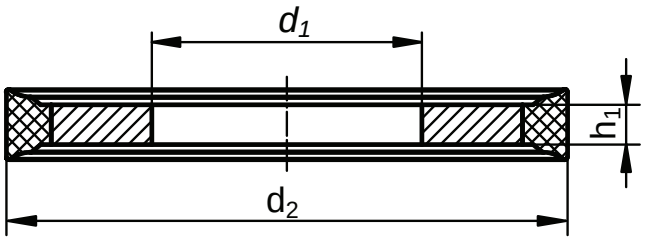
Hygienic USIT® sealing washer and washer 75 Fluoroprene® XP 45 – blue

With elastomer bead for dead space-free sealing of screw connections

- Excellent temperature resistance up to +200°C
- Very good resistance to ozone, weather, ageing and oxygen
- Excellent resistance in mineral oils and greases
- Low gas permeability
- Very good resistance in non-polar media, such as hexane



Material	Stainless steel A4, 1.4404
Rubber seal	75 Fluoroprene® XP 45 Blue
RoHS-compliant	Yes
Area of application	For hygienic requirements
Min./max. temperature resistance	-15 to 200 °C



Suitable for screw	Internal diameter (d_1)	Outer diameter (d_2)	Thickness (h_1)	Product weight (per item)	Art. no.	P. Qty.
M4	4.2 mm	9.7 mm	1 mm	0.25 g	**5099 783 004**	5
M5	5.2 mm	10.7 mm	1 mm	0.3 g	**5099 783 005**	5
M6	6.2 mm	13 mm	1 mm	0.5 g	**5099 783 006**	5
M8	8.2 mm	16.9 mm	1 mm	1 g	**5099 783 008**	1
M10	10.2 mm	21.2 mm	1.5 mm	2 g	**5099 783 010**	1
M12	12.2 mm	25.5 mm	1.5 mm	3.3 g	**5099 783 012**	1
M16	16.2 mm	33.9 mm	1.5 mm	6 g	**5099 783 016**	1

Details/Application

For special requirements, such as high-fat, aggressive media and very high temperatures, which can occur when cleaning the system for example.

Notice

The Hygienic USIT® sealing washers and washers can be used with all other products of the Hygienic USIT® range.

Related products for	Designation	Art. no.
5099 783 004	Hexagon bolt with collar Hygienic USIT®	**5099 710 408**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 410**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 412**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 416**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 420**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 425**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 430**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 435**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 440**
	Mushroom button with female thread Hygienic USIT®	**5099 750 004**
	Mushroom button with male thread Hygienic USIT®	**5099 750 408**
	Wing nut Hygienic USIT®	**5099 760 004**
	Wing screw Hygienic USIT®	**5099 760 408**
	Cap nut with collar Hygienic USIT®	**5099 770 004**
5099 783 005	Hexagon bolt with collar Hygienic USIT®	**5099 710 510**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 512**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 516**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 520**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 525**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 530**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 535**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 540**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 545**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 550**
	Mushroom button with female thread Hygienic USIT®	**5099 750 005**
	Mushroom button with male thread Hygienic USIT®	**5099 750 510**
	Wing nut Hygienic USIT®	**5099 760 005**
	Wing screw Hygienic USIT®	**5099 760 510**
	Cap nut with collar Hygienic USIT®	**5099 770 005**
	Bow handle, bent Hygienic USIT®	**5099 795 120**
	Bow handle, bent Hygienic USIT®	**5099 795 200**
	Bow handle, bent Hygienic USIT®	**5099 795 300**
5099 783 006	Hexagon bolt with collar Hygienic USIT®	**5099 710 612**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 616**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 620**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 625**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 630**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 635**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 640**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 645**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 650**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 660**
	Mushroom button with female thread Hygienic USIT®	**5099 750 006**
	Mushroom button with male thread Hygienic USIT®	**5099 750 612**
	Wing nut Hygienic USIT®	**5099 760 006**
	Wing screw Hygienic USIT®	**5099 760 612**
	Cap nut with collar Hygienic USIT®	**5099 770 006**
	Bow handle, bent Hygienic USIT®	**5099 796 120**
	Bow handle, bent Hygienic USIT®	**5099 796 200**
	Bow handle, bent Hygienic USIT®	**5099 796 300**

Related products for	Designation	Art. no.
5099 783 008	Hexagon bolt with collar Hygienic USIT®	**5099 710 816**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 820**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 825**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 830**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 835**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 840**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 845**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 850**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 860**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 870**
	Hexagon bolt with collar Hygienic USIT®	**5099 710 880**
	Mushroom button with female thread Hygienic USIT®	**5099 750 008**
	Mushroom button with male thread Hygienic USIT®	**5099 750 816**
	Wing nut Hygienic USIT®	**5099 760 008**
	Wing screw Hygienic USIT®	**5099 760 816**
	Cap nut with collar Hygienic USIT®	**5099 770 008**
	Bow handle, bent Hygienic USIT®	**5099 798 120**
	Bow handle, bent Hygienic USIT®	**5099 798 200**
	Bow handle, bent Hygienic USIT®	**5099 798 300**
5099 783 010	Hexagon bolt with collar Hygienic USIT®	**5099 711 020**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 025**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 030**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 035**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 040**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 045**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 050**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 060**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 070**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 080**
	Mushroom button with female thread Hygienic USIT®	**5099 750 010**
	Mushroom button with male thread Hygienic USIT®	**5099 751 020**
	Wing nut Hygienic USIT®	**5099 760 010**
	Wing screw Hygienic USIT®	**5099 761 020**
	Cap nut with collar Hygienic USIT®	**5099 770 010**
	Bow handle, bent Hygienic USIT®	**5099 791 120**
	Bow handle, bent Hygienic USIT®	**5099 791 200**
	Bow handle, bent Hygienic USIT®	**5099 791 300**
5099 783 012	Hexagon bolt with collar Hygienic USIT®	**5099 711 225**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 230**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 235**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 240**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 245**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 250**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 260**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 270**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 280**
	Cap nut with collar Hygienic USIT®	**5099 770 012**

Related products for	Designation	Art. no.
5099 783 016	Hexagon bolt with collar Hygienic USIT®	**5099 711 630**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 635**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 640**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 645**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 650**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 660**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 670**
	Hexagon bolt with collar Hygienic USIT®	**5099 711 680**
	Cap nut with collar Hygienic USIT®	**5099 770 016**

WUERTH (THAILAND) CO., LTD.

บริษัท เวือร์ท (ประเทศไทย) จำกัด

123/2 นิคมอุตสาหกรรมลาดกระบัง
ถนนฉลองกรุง แขวงลำปลาทิว
เขตลาดกระบัง กรุงเทพมหานคร 10520
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