

Thanks for your interest

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Certified hygienic Castors

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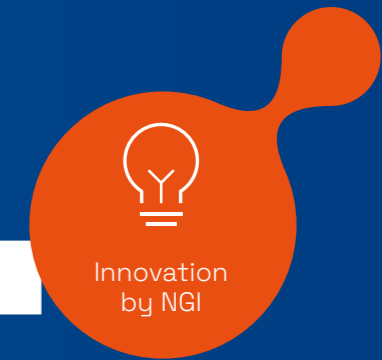
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Hygienic Castor







Innovative & Reliable

We provide the optimal solution for your application

The new certified hygienic swivel castors from NGI are the only patented castors in the world hygienically designed in accordance to EHEDG, 3-A and USDA design principles securing optimal conditions for cleaning with easy access from all angles.

The hygienic castor from NGI enhances hygienic safety significantly as it is designed with a one-sided fork housing providing easy access for cleaning. All surfaces are smooth and drainable as they are either round or have a 3° angle, thus, dirt and bacteria will not accumulate.

The brake is integrated in the fork housing and locking of rotation and pivoting occurs inside the castor. Furthermore, the design of the castor allows quick and easy installation.

-  Enhanced food safety
-  A complete hygienic design minimizing risks of cross-contamination
-  Plug&Play installation
-  Minimize water usage and use of cleaning detergents

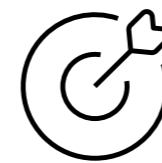


Go to ngi-global.com/hygienic-castor/ to read more and see our product range.





Locally based Area Sales Managers

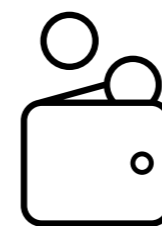


Gain a competitive advantage with hygienic components

NGI has grown to become the global market leader for hygienic components due to our continuously high involvement in our customer's businesses and needs.

Our deep insight into the various sectors within the machine manufacturing and food processing industries makes us a value-adding partner with focus on consulting and knowledge sharing.

Today, NGI is represented in more than 50 countries and is rapidly expanding. As an NGI customer you will always be able to talk to a country-specific consultant with local language skills.



Do you want us to calculate your savings?

Contact us if you want a free sample or if you want us to help calculate your savings?

Invitation to innovation
Investing in knowledge-sharing

Tests of Castors

Test in a production facility
- Hygienic castors versus standard castors

With one of our customers, we have tested our new castors against current castors and the advantages are easy to see. We ran tests showing how much filth castors pick up from the production floor during use.



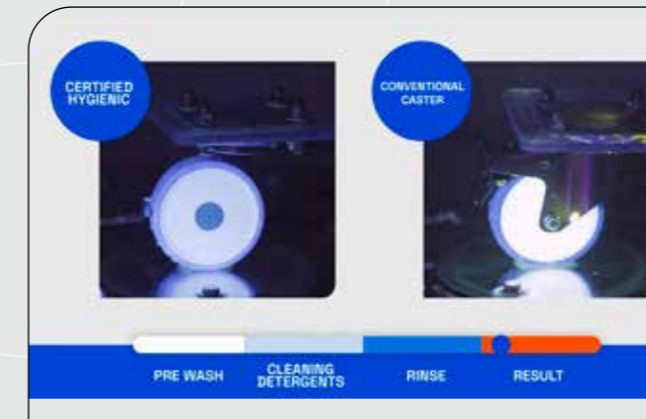
The results were evident! – the hygienic design of the new castor ensures that dirt does not accumulate and therefore minimizes the risks of cross-contamination between production zones. Learn more and see the actual tests by visiting our landing page by scanning the QR code.



Tests of Castors

Test by Force Technology
- Hygienic castors versus standard castors

FORCE Technology - Danish Research and Technology Organisation of hygienic design - has also tested our new castors against standard castors. The test illustrates the significant savings in resources and enhanced food safety.



The design of all traditional castors makes it impossible to clean 100%.

However, besides estimated savings in resources of up to 32%, our hygienic castors also solve this issue! As the wash down test shows, total cleanability can be obtained with the NGI Hygienic castors, whereas standard castors still represent a continuous significant threat, as they are still very much infected with organic bacteria after wash down. Watch the test online!



Hygienic optimized Castors

The only patented Castors in the world hygienically designed in accordance to EHEDG, 3-A and USDA standards with easy access for cleaning from all angles

For use in sanitary production environments. self-draining surfaces, sealed movable parts and no exposed thread secures absolute minimum cleaning and maximum sanitary safety



Innovation by NGI



Certified hygienic



Minimized cleaning time



Minimized water usage

Certified hygienic Castors

NGI is the only manufacturer in the world of patented castors hygienically designed in accordance with 3-A, EHEDG and USDA design principles. The product range consists of three hygienic groups of castors: A castor with a plate fitting, a castor with hygienic levelling spindles and a castor with round thread mounting.

The hygienic castors from NGI have smooth surfaces with soft curves enabling easy access for cleaning. All surfaces are either round or fitted with a 30 angle to provide optimal drainability. Furthermore, the castors are designed for quick and easy installation.



Product Group Features

- One-sided fork housing providing easy access for cleaning
- Housing made of stainless steel AISI 304/A2 1.4301
- Wheel axle with nut bolt hole
- Center of castor made from white polyamide
- Blue thread made from polyurethane
- Two high quality stainless steel ball bearings
- Wheel dimensions Ø100 (other dimensions to be launched)
- Load capacity tested in accordance to, and conforms to DS/EN12527:1999
- Developed in accordance to DS/EN12532:1999



XSCB-XHS

Special Features

- Certified hygienic swivel castor with levelling spindle
- Height variation 224,5 mm - 319,5 mm
- Brake on swivel and wheel
- Extra strong, hardened double roller bearing
- Dynamic castor weight load 2.000 N

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XSCRB

Special Features

- Certified hygienic swivel castor
- Extra strong, hardened double roller bearing
- Brake on swivel and wheel
- Dynamic weight load 2.000 N

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XSC-XHS

Special Features

- Certified hygienic swivel castor with levelling spindle
- Height variation 224,5 mm - 319,5 mm
- Extra strong, hardened double roller bearing
- Dynamic castor weight load 2.000 N

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XSCR

Special Features

- Certified hygienic swivel castor
- Extra strong, hardened double roller bearing
- Dynamic weight load 2.000 N

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XC-XHS

Special Features

- Certified hygienic castor with levelling spindle
- Rigid swivel
- Height variation 224,5 mm - 319,5 mm
- Dynamic castor weight load 2.000 N

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XCR

Special Features

- Certified hygienic castor
- Rigid swivel
- Dynamic weight load 2.000 N

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Certified hygienic Castors

NGI is the only manufacturer in the world of patented castors hygienically designed in accordance with 3-A, EHEDG and USDA design principles. The product range consists of three hygienic groups of castors: A castor with a plate fitting, a castor with hygienic levelling spindles and a castor with round thread mounting.

The hygienic castors from NGI have smooth surfaces with soft curves enabling easy access for cleaning. All surfaces are either round or fitted with a 30 angle to provide optimal drainability. Furthermore, the castors are designed for quick and easy installation.

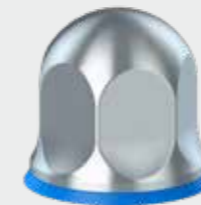


XSCSB

Special Features

- Certified hygienic swivel castor with plate fitting
- Extra strong, hardened double roller bearing
- Brake on swivel and wheel
- Dynamic weight load 2.000 N

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CERTIFIED HYGIENIC DOME-HEADED NUT



- Certified in accordance with EHEDG hygienic standard TYPE EL - CLASS i AUX
- Minimizes cleaning time and water consumption
- Surfaces with a maximal roughness of 0,8 pm RA
- Available in sizes M6-M24
- Are delivered with all certified hygienic machine E with floor fixing

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XSCS

Special Features

- Certified hygienic swivel castor with plate fitting
- Extra strong, hardened double roller bearing
- Dynamic weight load 2.000 N

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CERTIFIED HYGIENIC LOW-HEADED NUT



- Certified in accordance with EHEDG hygienic standard TYPE EL - CLASS i AUX
- Minimizes cleaning time and water consumption
- Surfaces with a maximal roughness of 0,8 pm RA
- Available in sizes M5-M24

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XCS

Special Features

- Certified hygienic castor with plate fitting
- Rigid swivel
- Dynamic weight load up 2.000 N

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CERTIFIED HYGIENIC BOLT



- Certified in accordance with EHEDG hygienic standard TYPE EL - CLASS i AUX
- Minimizes cleaning time and water consumption
- Surfaces with a maximal roughness of 0,8 pm RA
- Available in sizes M5-M24

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Certified hygienic Castor - XSCB-XHS

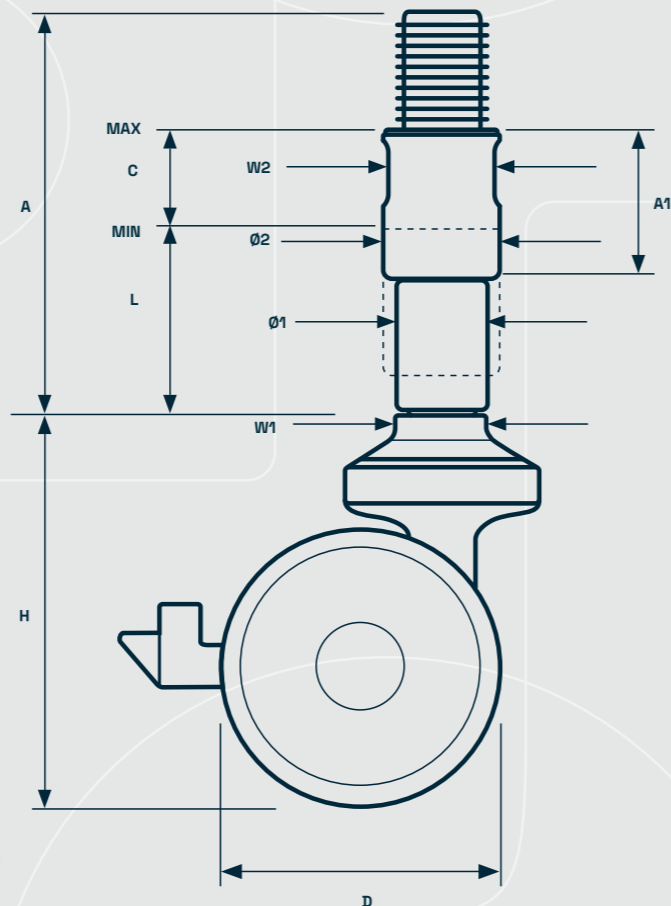
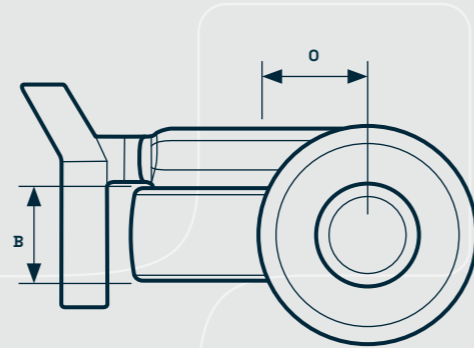
- Certified hygienic
- Minimized cleaning time
- Minimized water usage

The design and patent protected XSCB-XHS certified hygienic swivel castor with a levelling spindle is the optimal choice for machinery and equipment that has to comply with strict hygiene requirements.

The XSCB-XHS is equipped with a brake on swivel and wheel which is completely integrated in the single-sided fork housing providing accessible surfaces and extreme easy access for cleaning.

The thread on the spindle is covered with a hygienic sleeve which cannot be overadjusted and secures safety against exposed thread.

Spindle parts are 100% hygienically sealed with blue sealings detectable by scanning systems.



Certified hygienic Castor - XSCB-XHS



CASTOR



PRODUCT CODE	CASTOR - SPINDLE - SLEEVE
EXAMPLE	XSCB100 - XHSM1630155 - RHOXS3055

TYPE	DIAMETER D [mm]	HEIGHT H [mm]	OFFSET O [mm]	WIDTH B [mm]	W1 [mm]	DYNAMIC LOAD [N]	ITEM CODE
100	100	142.5	30	29	32	2.000	XSCB100

SPINDLE



THREAD	HEIGHT A [mm]	MIN HEIGHT L [mm]	DIAMETER Ø1 [mm]	NOM LOAD COMPRESSION [N]	ITEM CODE
M24	155	82	26,4	958	XHSM1624155
M24	215	111	26,4	843	XHSM1624215
M30	155	82	32,0	1.928	XHSM1630155
M30	215	111	32,0	1.700	XHSM1630215
M36	155	82	32,0	3.366	XHSM1636155
M36	215	111	32,0	2.975	XHSM1636215
M42	155	82	37,3	5.261	XHSM1642155
M42	215	111	37,3	4.641	XHSM1642215

SLEEVE



THREAD	W2 [mm]	DIAMETER Ø2 [mm]	HEIGHT A1 [mm]	ADJUSTMENT C [mm]	ITEM CODE
M24	32	24,8	55	36	RHOXS2455
M24	32	24,8	85	66	RHOXS2485
M30	38	41,8	55	36	RHOXS3055
M30	38	41,8	85	66	RHOXS3085
M36	46	49,8	55	33	RHOXS3655
M36	46	49,8	85	63	RHOXS3685
M42	50	54,5	55	33	RHOXS4255
M42	50	54,5	85	63	RHOXS4285

Total height = A + H
 Minimum usable height = H + L
 Maximum usable height = H + L + C
 Maximum nominal load = Lowest value for castor or spindle
 Tolerance of total height = +/-1,5 mm



Certified hygienic Castor - XSC-XHS

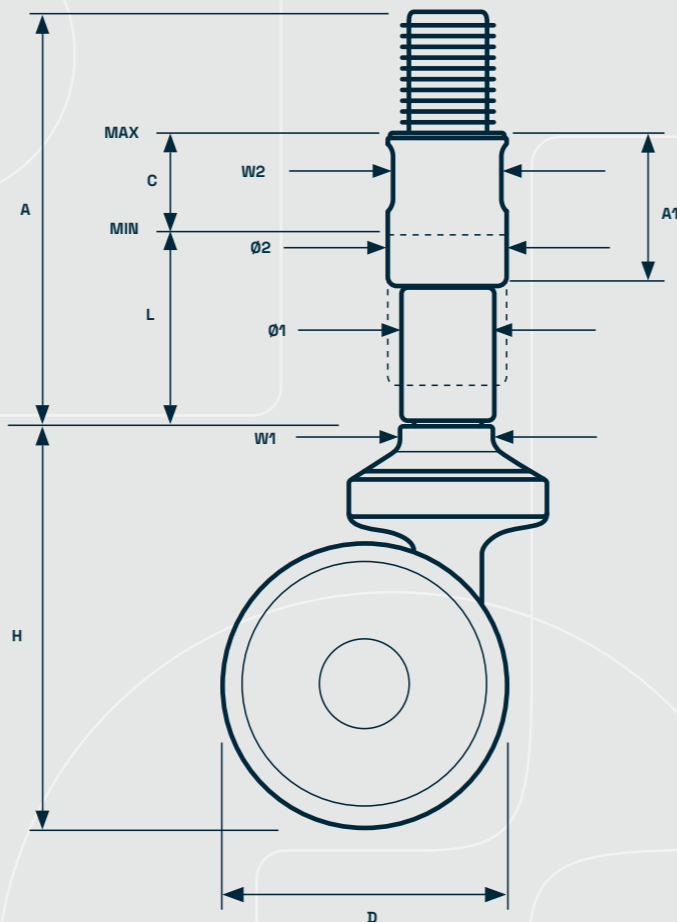
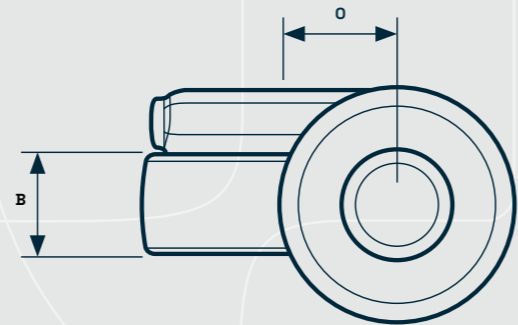
- Certified hygienic
- Minimized cleaning time
- Minimized water usage

The design and patent protected XSC-XHS certified hygienic swivel castor with a levelling spindle is the optimal choice for machinery and equipment in that has to comply with strict hygiene requirements.

The castors are specifically designed to provide extreme easy access for cleaning and are fitted with smooth, drainable surfaces.

The thread is covered with a hygienic sleeve which cannot be overadjusted and secures safety against exposed thread.

Spindle parts are 100% hygienically sealed with blue sealings detectable by scanning systems.



Certified hygienic Castor - XSC-XHS



CASTOR



SPINDLE



SLEEVE



PRODUCT CODE	CASTOR - SPINDLE - SLEEVE
EXAMPLE	XSC100 - XHSM1630210 - RHOXS3085

TYPE	DIAMETER D [mm]	HEIGHT H [mm]	OFFSET O [mm]	WIDTH B [mm]	W1 [mm]	DYNAMIC LOAD [N]	ITEM CODE
100	100	142,5	30	29	32	2.000	XSC100

THREAD	HEIGHT A [mm]	MIN HEIGHT L [mm]	DIAMETER Ø1 [mm]	NOM LOAD COMPRESSION [N]	ITEM CODE
M24	155	82	26,4	958	XHSM1624155
M24	215	111	26,4	843	XHSM1624215
M30	155	82	32,0	1.928	XHSM1630155
M30	215	111	32,0	1.700	XHSM1630215
M36	155	82	32,0	3.366	XHSM1636155
M36	215	111	32,0	2.975	XHSM1636215
M42	155	82	37,3	5.261	XHSM1642155
M42	215	111	37,3	4.641	XHSM1642215

THREAD	W2 [mm]	DIAMETER Ø2 [mm]	HEIGHT A1 [mm]	ADJUSTMENT C [mm]	ITEM CODE
M24	32	24,8	55	36	RHOXS2455
M24	32	24,8	85	66	RHOXS2485
M30	38	41,8	55	36	RHOXS3055
M30	38	41,8	85	66	RHOXS3085
M36	46	49,8	55	33	RHOXS3655
M36	46	49,8	85	63	RHOXS3685
M42	50	54,5	55	33	RHOXS4255
M42	50	54,5	85	63	RHOXS4285

Total height = A + B
 Minimum usable height = B + L
 Maximum usable height = B + L + C
 Maximum nominal load = Lowest value for castor or spindle
 Tolerance of total height = +/-1,5 mm

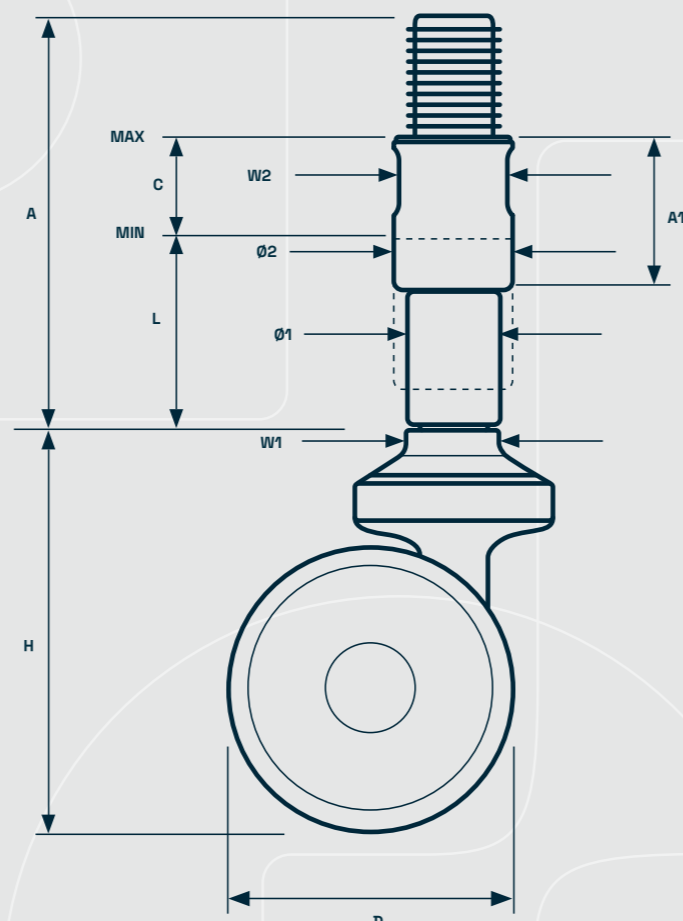
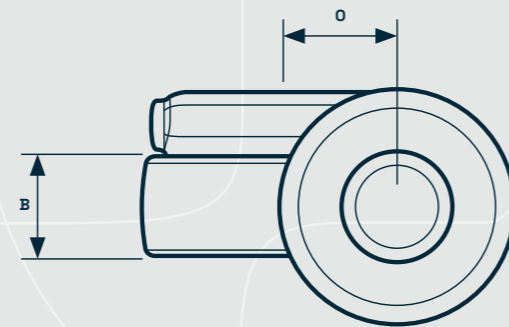
Certified hygienic Castor - XC-XHS

- Certified hygienic
- Minimized cleaning time
- Minimized water usage

The design and patent protected XC-XHS certified hygienic swivel castor with a levelling spindle is the optimal choice for machinery and equipment that has to comply with strict hygiene requirements. The XC-XHS has a rigid swivel.

The thread on the spindle is covered with a hygienic sleeve which cannot be overadjusted and secures safety against exposed thread.

Spindle parts are 100% hygienically sealed with blue sealings detectable by scanning systems.



Certified hygienic Castor - XC-XHS



CASTOR



SPINDLE



SLEEVE



PRODUCT CODE	CASTOR - SPINDLE - SLEEVE
EXAMPLE	XC100 - XHSM1630210 - RHOXS3085

TYPE	DIAMETER D [mm]	HEIGHT H [mm]	OFFSET O [mm]	WIDTH B [mm]	W1 [mm]	DYNAMIC LOAD [N]	ITEM CODE
100	100	142,5	30	29	32	2,000	XC100

THREAD	HEIGHT A [mm]	MIN HEIGHT L [mm]	DIAMETER Ø1 [mm]	NOM LOAD COMPRESSION [N]	ITEM CODE
M24	155	82	26,4	958	XHSM1624155
M24	215	111	26,4	843	XHSM1624215
M30	155	82	32,0	1.928	XHSM1630155
M30	215	111	32,0	1.700	XHSM1630215
M36	155	82	32,0	3.366	XHSM1636155
M36	215	111	32,0	2.975	XHSM1636215
M42	155	82	37,3	5.261	XHSM1642155
M42	215	111	37,3	4.641	XHSM1642215

THREAD	W2 [mm]	DIAMETER Ø2 [mm]	HEIGHT A1 [mm]	ADJUSTMENT C [mm]	ITEM CODE
M24	32	24,8	55	36	RHOXS2455
M24	32	24,8	85	66	RHOXS2485
M30	38	41,8	55	36	RHOXS3055
M30	38	41,8	85	66	RHOXS3085
M36	46	49,8	55	33	RHOXS3655
M36	46	49,8	85	63	RHOXS3685
M42	50	54,5	55	33	RHOXS4255
M42	50	54,5	85	63	RHOXS4285

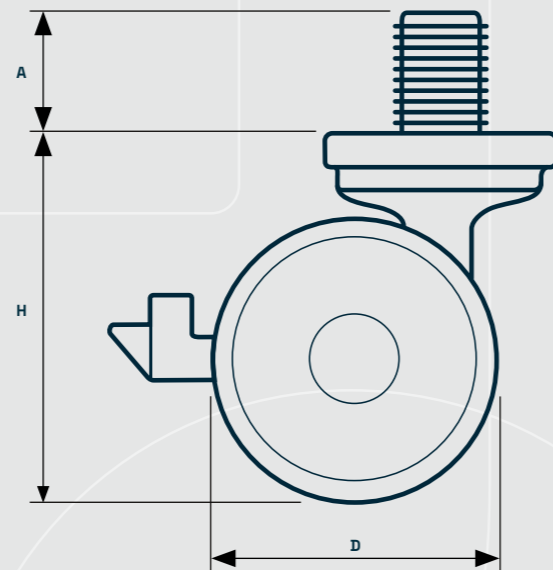
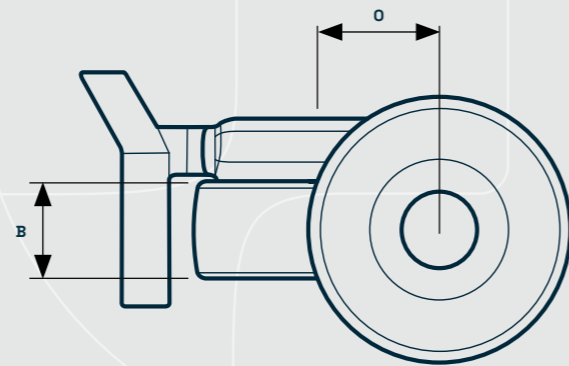
Total height = A + B
 Minimum usable height = B + L
 Maximum usable height = B + L + C
 Maximum nominal load = Lowest value for castor or spindle
 Tolerance of total height = +/-1,5 mm

Certified hygienic Castor - XSCRB

- Certified hygienic
- Minimized cleaning time
- Minimized water usage

The design and patent protected XSCRB certified hygienic swivel castor is a castor with round thread mounting. The XSCRB castor is the optimal choice for machinery and equipment that has to comply with strict hygiene requirements.

The XSCRB is equipped with a brake on swivel and wheel which is completely integrated in the single-sided fork housing providing accessible surfaces and extreme easy access for cleaning.



Certified hygienic Castor - XSCRB



CASTOR



PRODUCT CODE	CASTOR
EXAMPLE	XSCRB100-24-40

THREAD	DIAMETER D [mm]	HEIGHT H [mm]	HEIGHT A [mm]	OFFSET O [mm]	WIDTH B [mm]	DYNAMIC LOAD [N]	ITEM CODE
M16	100	130,5	40	30	29	2,000	XSCRB100-16-40
M20	100	130,5	40	30	29	2,000	XSCRB100-20-40
M24	100	130,5	40	30	29	2,000	XSCRB100-24-40
M30	100	130,5	40	30	29	2,000	XSCRB100-30-40
M36	100	130,5	40	30	29	2,000	XSCRB100-36-40



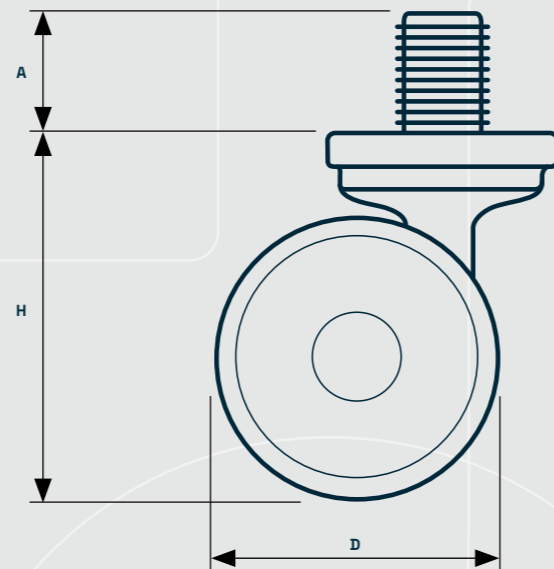
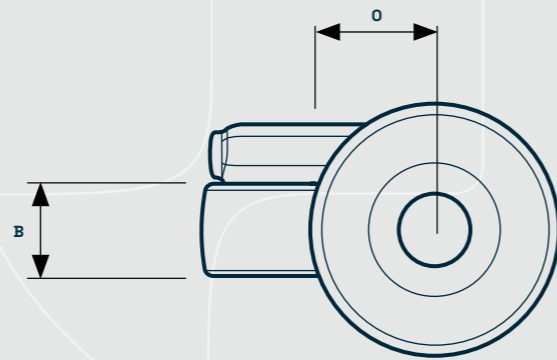
Total height = H + A
Tolerance of total height = +/-1,5 mm

Certified hygienic Castor - XSCR

- Certified hygienic
- Minimized cleaning time
- Minimized water usage

The design and patent protected XSCR certified hygienic swivel castor is a castor with round thread mounting.

The XSCR castor is the optimal choice for machinery and equipment that has to comply with strict hygiene requirements.



Certified hygienic Castor - XSCR



CASTOR



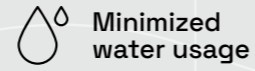
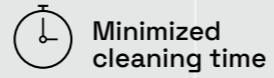
PRODUCT CODE	CASTOR
EXAMPLE	XSCR100-24-40

THREAD	DIAMETER D [mm]	HEIGHT H [mm]	HEIGHT A [mm]	OFFSET O [mm]	WIDTH B [mm]	DYNAMIC LOAD [N]	ITEM CODE
M16	100	130,5	40	30	29	2,000	XSCR100-16-40
M20	100	130,5	40	30	29	2,000	XSCR100-20-40
M24	100	130,5	40	30	29	2,000	XSCR100-24-40
M30	100	130,5	40	30	29	2,000	XSCR100-30-40
M36	100	130,5	40	30	29	2,000	XSCR100-36-40



Total height = H + A
Tolerance of total height = +/-1,5 mm

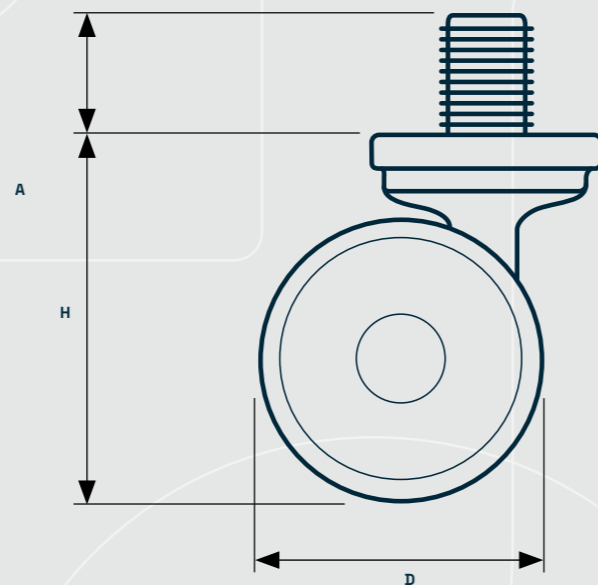
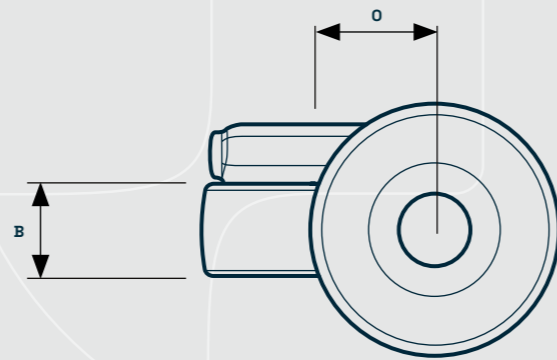
Certified hygienic Castor - XCR



The design and patent protected XCR certified hygienic swivel castor is a castor with round thread mounting.

The XCR castor is the optimal choice for machinery and equipment that has to comply with strict hygiene requirements.

The XCR has a rigid swivel.



Certified hygienic Castor - XCR



CASTOR



PRODUCT CODE	CASTOR
EXAMPLE	XCR100-24-40

THREAD	DIAMETER D [mm]	HEIGHT H [mm]	HEIGHT A [mm]	OFFSET O [mm]	WIDTH B [mm]	DYNAMIC LOAD [N]	ITEM CODE
M16	100	130,5	40	30	29	2,000	XCR100-16-40
M20	100	130,5	40	30	29	2,000	XCR100-20-40
M24	100	130,5	40	30	29	2,000	XCR100-24-40
M30	100	130,5	40	30	29	2,000	XCR100-30-40
M36	100	130,5	40	30	29	2,000	XCR100-36-40



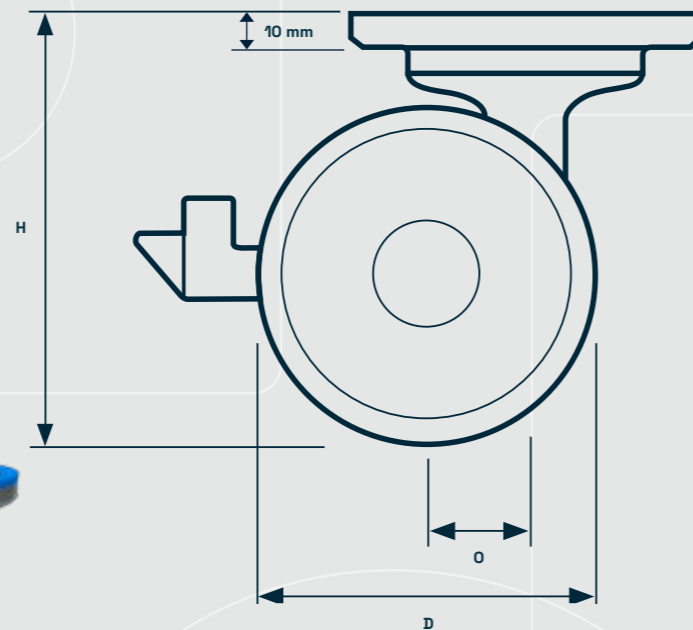
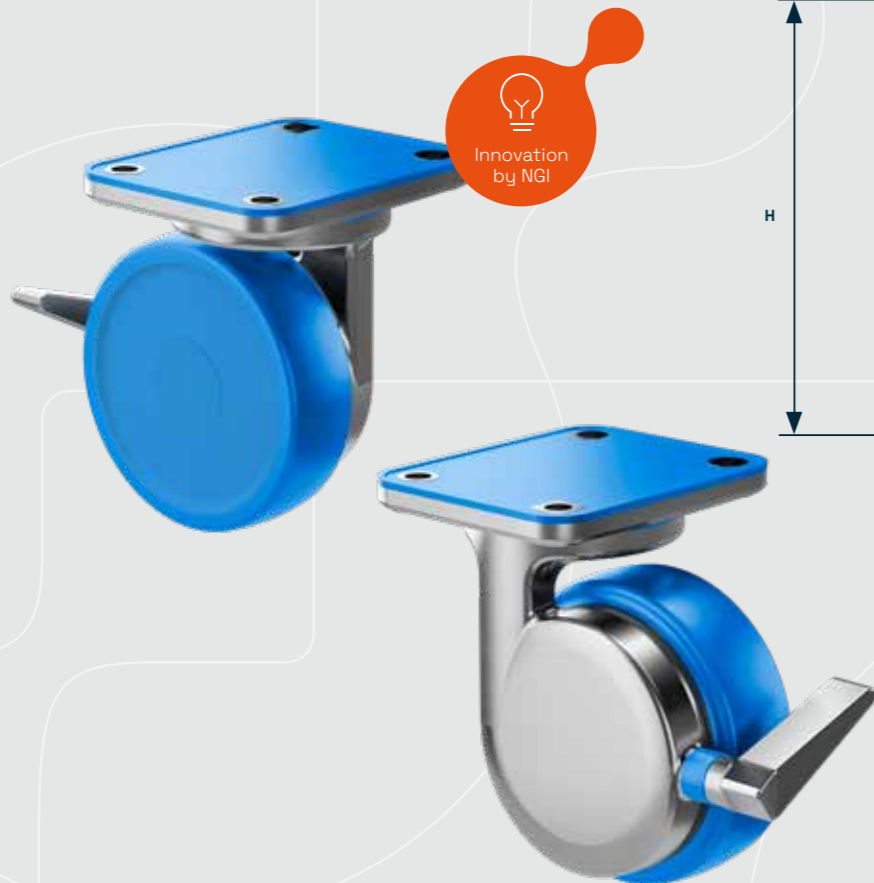
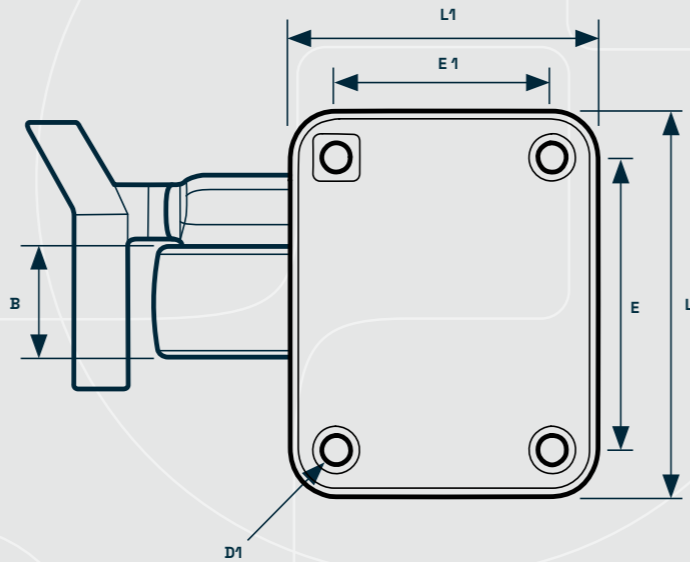
Total height = H + A
Tolerance of total height = +/-1,5 mm

Certified hygienic Castor - XSCSB

- Certified hygienic
- Minimized cleaning time
- Minimized water usage

The design and patent protected XSCSB certified hygienic swivel castor with plate fitting is the optimal choice for machinery and equipment that has to comply with strict hygiene requirements.

The XSCSB is equipped with a brake on swivel and wheel which is completely integrated in the single-sided fork housing providing accessible surfaces and extreme easy access for cleaning.



Certified hygienic Castor - XSCSB



PRODUCT CODE	CASTOR
EXAMPLE	XSCSB100

CASTOR



TYPE	DIAMETER D [mm]	HEIGHT H [mm]	OFFSET O [mm]	WIDTH B [mm]	DYNAMIC LOAD [N]	ITEM CODE
100	100	128	30	29	2,000	XSCSB100

FIXING PLATE

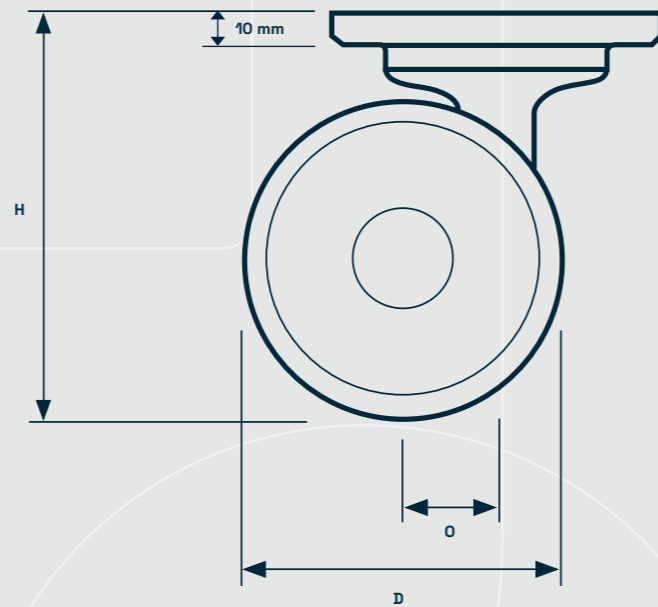
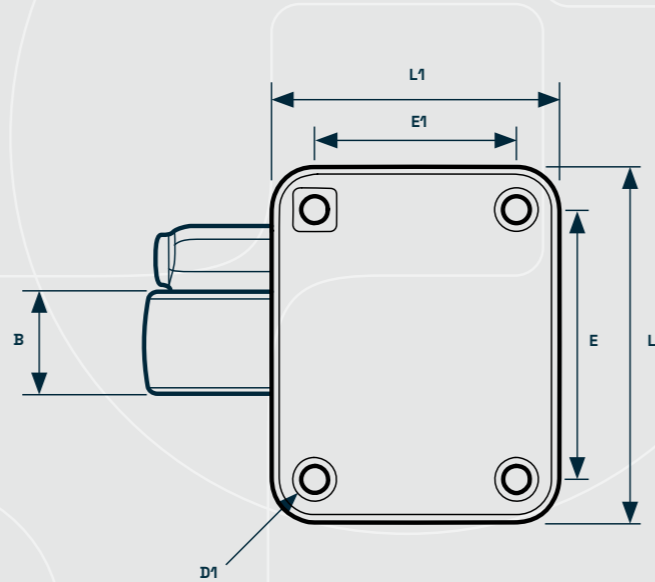


TYPE	LENGTH L [mm]	LENGTH L1 [mm]	HOLE POSITION E [mm]	HOLE POSITION E1 [mm]	HOLE DIAMETER D1 [mm]
100	105	85	80	60	8,5

Certified hygienic Castor - XSCS

- Certified hygienic
- Minimized cleaning time
- Minimized water usage

The design and patent protected XSCS certified hygienic swivel castor with plate fitting is the optimal choice for machinery and equipment that has to comply with strict hygiene requirements.



Certified hygienic Castor - XSCS



PRODUCT CODE	CASTOR
EXAMPLE	XSCS100

CASTOR



TYPE	DIAMETER D [mm]	HEIGHT H [mm]	OFFSET O [mm]	WIDTH B [mm]	DYNAMIC LOAD [N]	ITEM CODE
100	100	128	30	29	2,000	XSCS100

FIXING PLATE



TYPE	LENGTH L [mm]	LENGTH L1 [mm]	HOLE POSITION E [mm]	HOLE POSITION E1 [mm]	HOLE DIAMETER D1 [mm]
100	105	85	80	60	8,5

Certified hygienic Castor - XCS

The design and patent protected XCS certified hygienic swivel castor with plate fitting is the optimal choice for machinery and equipment that has to comply with strict hygiene requirements.

The XCS has a rigid swivel.



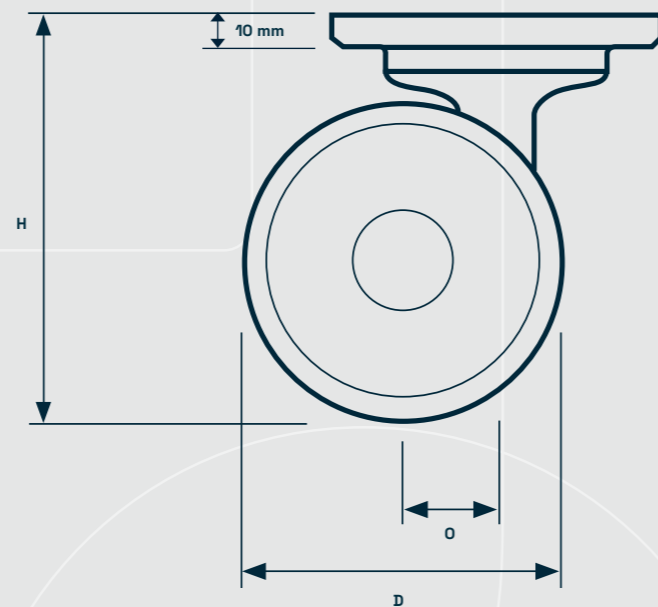
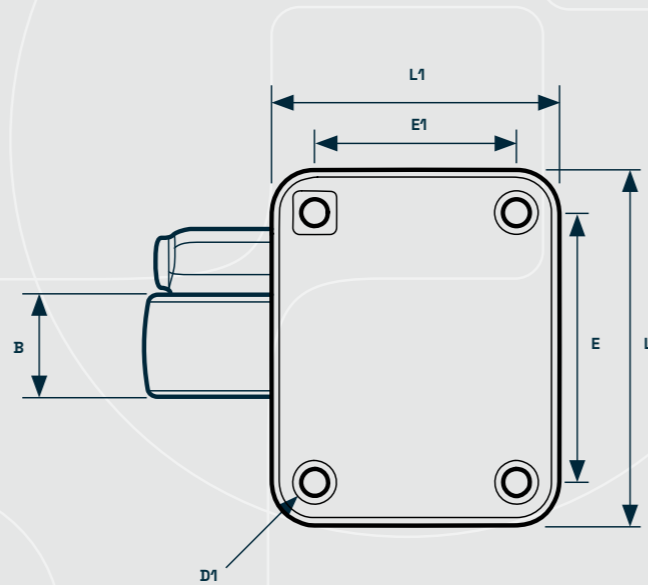
Certified hygienic



Minimized cleaning time



Minimized water usage



Certified hygienic Castor - XCS



PRODUCT CODE	CASTOR
EXAMPLE	XCS100

CASTOR

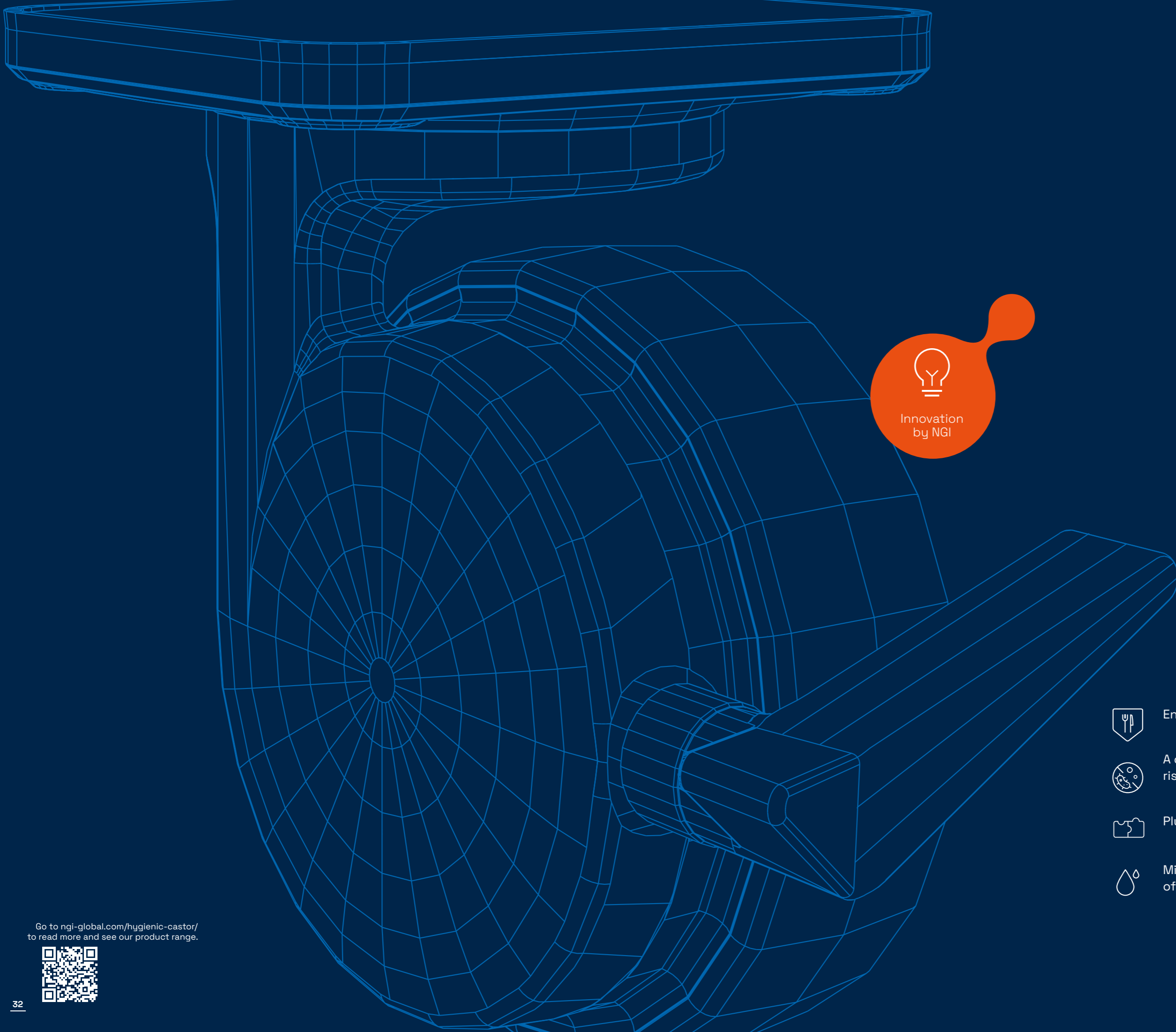






TYPE	DIAMETER D [mm]	HEIGHT H [mm]	OFFSET O [mm]	WIDTH B [mm]	DYNAMIC LOAD [N]	ITEM CODE
100	100	128	30	29	2,000	XCS100

FIXING PLATE



TYPE	LENGTH L [mm]	LENGTH L1 [mm]	HOLE POSITION E [mm]	HOLE POSITION E1 [mm]	HOLE DIAMETER D1 [mm]
100	105	85	80	60	8,5



-  Enhanced food safety
-  A complete hygienic design minimizing risks of cross-contamination
-  Plug&Play installation
-  Minimize water usage and use of cleaning detergents

Go to ngi-global.com/hygienic-castor/ to read more and see our product range.



Certified hygienic nuts - NDXH



Certified hygienic



Minimized cleaning time



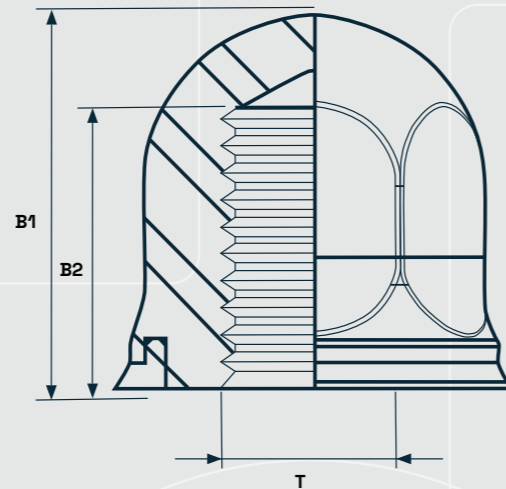
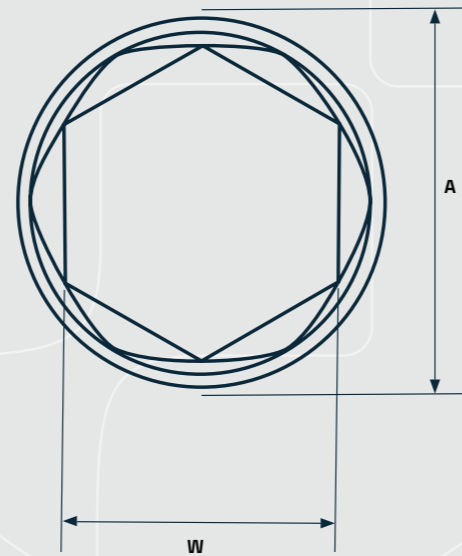
Minimized water usage

Certified hygienic nuts with blue NBR rubber seals is the right choice of nuts to be used on all machinery in all certified hygienic wash-down environments. The NBR rubber seal blocks out water and bacteria and also prevents a non-hygienic metal-to-metal assembly. Round-headed and self-draining surfaces with a maximal roughness of 0.8 µm Ra.

The design of the nuts does not deviate from the sizes of current standard nuts. Therefore, wrench sizes, thread heights etc. all remains the same making it very easy to upgrade and replace standard nuts. NGI's certified hygienic nuts are used for floor-mounting of certified hygienic levelling feet in order to ensure compliance with current legislation towards hygienic design.

The NDXH is used when the length of exposed bolt thread can vary.

- Certified in accordance with 3-A (RPSCQC)
- Certified in accordance with EHEDG hygienic standard TYPE EL - CLASS I AUX
- Minimizes cleaning time and water consumption
- Surfaces with a maximal roughness of 0,8 µm Ra
- Available in sizes M6-M24




Certified hygienic nuts - NDXH

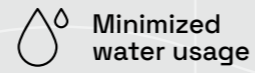
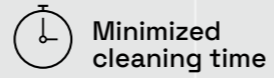


CERTIFIED HYGIENIC NUTS



THREAD T	TIGHTENING TORQUE [Nm]	TOTAL HEIGHT B1 [mm]	THREAD LENGTH B2 [mm]	 W [mm]	OUTER DIAMETER A [mm]	ITEM CODE
M06	8,6	13,6	10	10	12,8	NDXH-M06
M08	21,0	16,6	12	13	17,3	NDXH-M08
M10	38,0	19,9	15	16	21,1	NDXH-M10
M12	68,0	24,5	18	18	25,8	NDXH-M12
M16	122,0	31	23	24	31,9	NDXH-M16
M20	307,0	37	27	30	38,9	NDXH-M20
M24	507,0	46	34	36	46,1	NDXH-M24

Certified hygienic nuts - NLXH

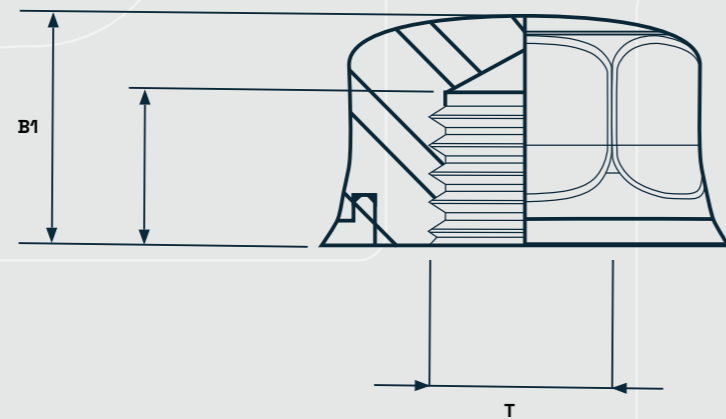
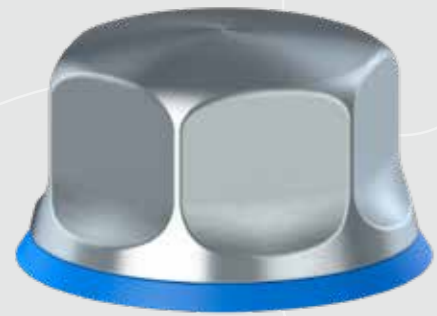
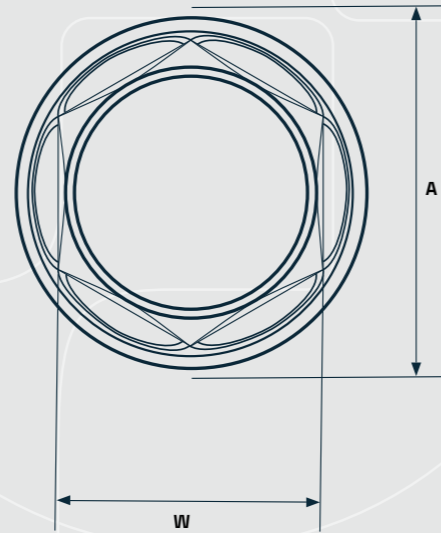


Certified hygienic nuts with blue NBR rubber seals is the right choice of nuts to be used on all machinery in all certified hygienic wash-down environments. The NBR rubber seal blocks out water and bacteria and also prevents a non-hygienic metal-to-metal assembly. Round-headed and self-draining surfaces with a maximal roughness of 0.8 µm Ra.

The design of the nuts does not deviate from the sizes of current standard nuts. Therefore, wrench sizes, thread heights etc. all remains the same making it very easy to upgrade and replace standard nuts. NGI's certified hygienic nuts are used for floor-mounting of certified hygienic levelling feet in order to ensure compliance with current legislation towards hygienic design.

The NLXH is used when the length of exposed bolt thread is adapted to the nut's B2 measurement.

- Certified in accordance with 3-A (RPSCQC)
- Certified in accordance with EHEDG hygienic standard TYPE EL - CLASS I AUX
- Minimizes cleaning time and water consumption
- Surfaces with a maximal roughness of 0,8 µm Ra
- Available in sizes M5-M24




Certified hygienic nuts - NLXH

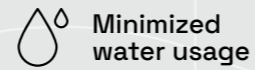
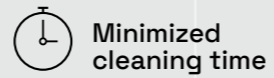


CERTIFIED HYGIENIC NUTS



THREAD T	TIGHTENING TORQUE [Nm]	TOTAL HEIGHT B1 [mm]	THREAD LENGTH B2 [mm]	 W [mm]	OUTER DIAMETER A [mm]	ITEM CODE
M05	4,4	6,5	4,5	8	11,5	NLXH-M05
M06	8,6	8	5,5	10	12,8	NLXH-M06
M08	21,0	10	6,5	13	17,3	NLXH-M08
M10	38,0	12	8	16	21,1	NLXH-M10
M12	68,0	14	9	18	25,8	NLXH-M12
M16	122,0	17	10,5	24	31,9	NLXH-M16
M20	307,0	20	13	30	38,9	NLXH-M20
M24	507,0	22	14	36	46,1	NLXH-M24

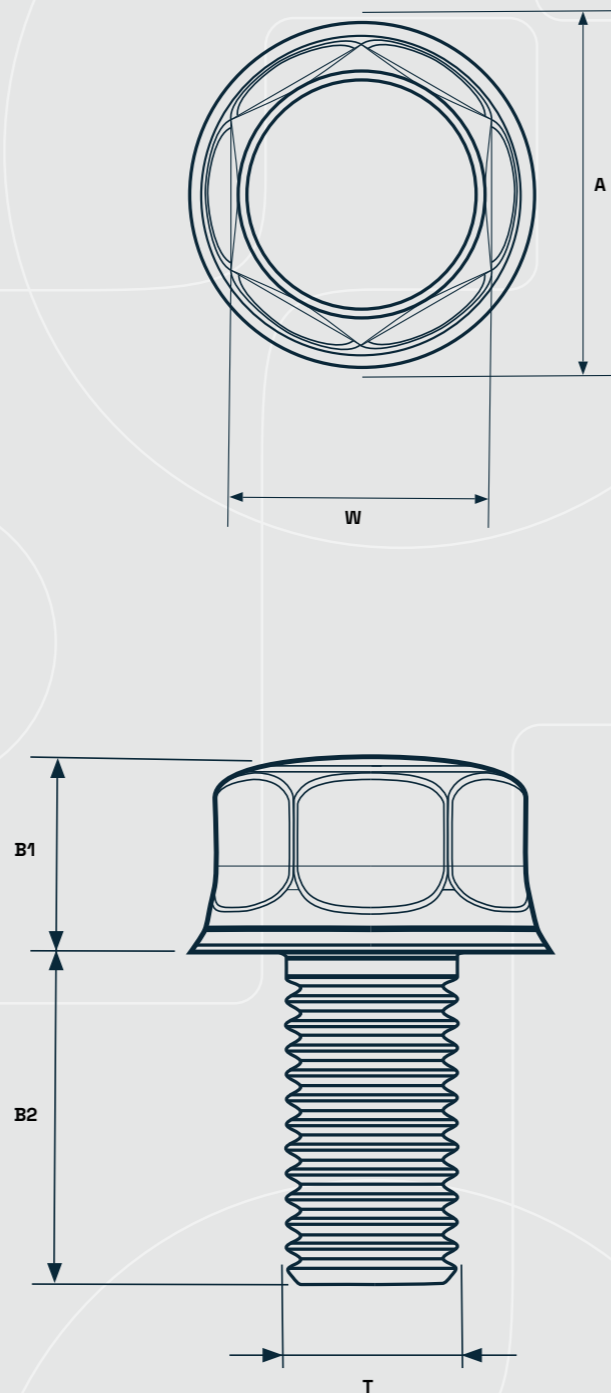
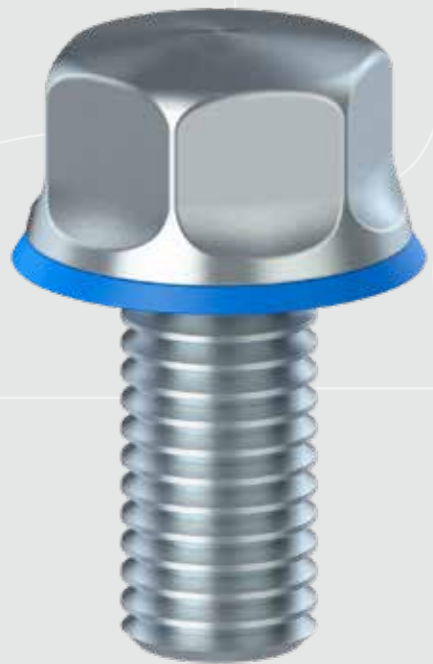
Certified hygienic bolts - BXH



NGI is now able to offer certified hygienic bolts with blue NBR rubber seals. The NBR rubber seal blocks out water and bacteria and also prevents a non-hygienic metal-to-metal assembly.

The bolts have self-draining surfaces with a maximal roughness of 0.8 µm Ra. The design of the bolts does not deviate from the sizes of current standard bolts. Therefore, wrench sizes, thread heights etc. all remains the same making it very easy to upgrade and replace standard bolts. This is the right choice of bolts to be used on all machinery in all certified hygienic wash-down environments.

- Certified in accordance with 3-A (RPSCQC)
- Certified in accordance with EHEDG hygienic standard TYPE EL - CLASS I AUX
- Minimizes cleaning time and water consumption
- Surfaces with a maximal roughness of 0,8 µm Ra
- Available in sizes M5-M24



Certified hygienic bolts - BXH



CERTIFIED HYGIENIC BOLTS



THREAD T	TIGHTENING TORQUE [Nm]	HEAD HEIGHT B1 [mm]	THREAD LENGTH B2 [mm]	W [mm]	OUTER DIAMETER A [mm]	ITEM CODE
M05	4,4	6,5	10	8	11,5	BXH-M05-10
M05	4,4	6,5	16	8	11,5	BXH-M05-16
M05	4,4	6,5	20	8	11,5	BXH-M05-20
M06	8,6	8	12	10	12,8	BXH-M06-12
M06	8,6	8	16	10	12,8	BXH-M06-16
M06	8,6	8	20	10	12,8	BXH-M06-20
M06	8,6	8	25	10	12,8	BXH-M06-25
M06	8,6	8	30	10	12,8	BXH-M06-30
M08	21,0	10	16	13	17,3	BXH-M08-16
M08	21,0	10	20	13	17,3	BXH-M08-20
M08	21,0	10	25	13	17,3	BXH-M08-25
M08	21,0	10	30	13	17,3	BXH-M08-30
M08	21,0	10	40	13	17,3	BXH-M08-40
M10	38,0	12	20	16	21,1	BXH-M10-20
M10	38,0	12	25	16	21,1	BXH-M10-25
M10	38,0	12	30	16	21,1	BXH-M10-30
M10	38,0	12	35	16	21,1	BXH-M10-35
M10	38,0	12	40	16	21,1	BXH-M10-40
M10	38,0	12	45	16	21,1	BXH-M10-45
M12	68,0	14	20	18	25,8	BXH-M12-20
M12	68,0	14	25	18	25,8	BXH-M12-25
M12	68,0	14	30	18	25,8	BXH-M12-30
M12	68,0	14	35	18	25,8	BXH-M12-35
M12	68,0	14	40	18	25,8	BXH-M12-40
M16	122,0	17	35	24	31,9	BXH-M16-35
M16	122,0	17	40	24	31,9	BXH-M16-40
M20	307,0	20	40	30	38,9	BXH-M20-40
M16	122,0	17	XX *)	24	31,9	BXH-M16-XX
M20	307,0	20	XX *)	30	38,9	BXH-M20-XX
M24	507,0	22	XX *)	36	46,1	BXH-M24-XX



*) M16-M24 available xx length upon request.

Static

Electricity



Castors and static electricity

We provide the optimal solution for your application

How does static electricity appear?

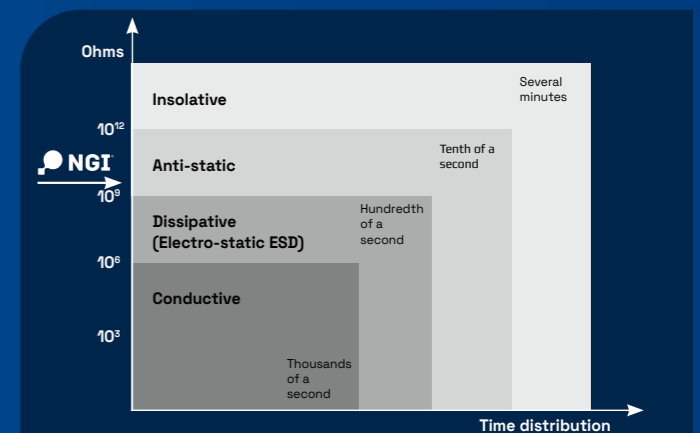
Static electricity is created by parts moving, sliding and rotating typically from motors, belts, stirring guides sliding against belts, sprockets and rollers.

Which actions can prevent the problem?

The choice of materials and design is crucial to how big a problem static electricity is on a machine or equipment.

NGI has therefore developed a solution for those of our customers who want to use our hygienic castor but also need to discharge electricity through the body and down in the floor. The hygienic castors from NGI is in the range - anti-static.

If you are interested in learning more or testing the castor in your production, please order a sample of our series of anti-static castors in our sales department.



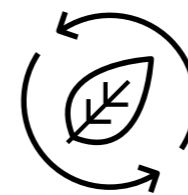
Materials for protection and prevention of Electro Static Discharge (ESD) can be categorized into three distinct groups, separated by their ranges of conductivity to electrical charges.

- 1. Anti-static**
Standards: DIN EN 12527
Requirements: Resistivity generally between 10^9 and 10^{12} ohms per square. Initial electrostatic charges are suppressed.
- 2. Electro-static discharge - (ESD) dissipative**
Standards: DIN EN 61340-2-3 and DIN EN 61340-5-1
Requirements: $<1 \times 10^9$ ohms measured with 10V DC or 100V DC. Resistivity generally between 10^6 and 10^{12} ohms per square. Low or no initial charges prevents discharge from human contact.
- 3. Conductive**
Standards: DIN EN 12527
Requirements: Resistivity generally between 10^3 and 10^6 ohms per square. No initial charges, provides path for charge to bleed off.

Product Innovation

Innovating for tomorrow
Investing in research & development

NGI Innovation - the Sustainable Way



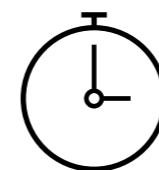
Stainless steel - Recyclable materials

80% of our products can be recycled. We are working on initiatives to make this percentage even higher.



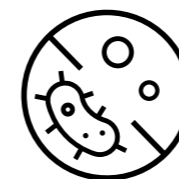
Hygienic seals - Resource saving

Permit easy cleaning and reduce water consumption.



High Quality - Longer lifetime

Our products are very high quality which means they have a longer lifetime than corresponding components.



Hygienic design - Protecting consumers

We make sure that the components do not constitute a hygiene risk through innovative and uncompromising design.