

INO
STAINLESS STEEL

Stainless steel catalogue

All our stainless steel in one catalogue: cylinders and pneumatics, sensors and safety devices, valves, fittings, flanges and hygienic connections in AISI 304 / 316.



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	Stainless press system, threaded fittings, pipe fittings, flanges and hygienic clamps in 304L / 316L.	

Page numbers refer to this PDF. The sections keep the page numbers of the INO source catalogues, so cross-references inside them stay valid. Prices, stock, certificates and full datasheets on request. This is the compact edition with the key pages of each section — the full catalogue is available on request.



Overview — all brands

Stainless cylinders, Camozzi stainless pneumatics, sensors and safety, valves and fittings.

INO

STAINLESS STEEL

ABOUT STAINLESS STEEL

Everything we supply in stainless steel, from all brands: INO stainless cylinders, valves, press system, threaded and weld fittings, pipe fittings and flanges; Camozzi stainless cylinders, solenoid valves and 316L push-in fittings; Datasensing full-metal and IP69K sensors; Pizzato AISI 316L safety switches. For food and beverage, dairy, chemical and pharma plants, water treatment, marine and outdoor equipment — wherever painted or plated parts corrode. Material certificates (EN 10204 3.1) on request for many items.

MATERIALS

**AISI 304 / 304L /
316 / 316L**

BRANDS

**INO · Camozzi ·
Datasensing ·
Pizzato**

CERTIFICATES

3.1 on request

IN THIS OVERVIEW

01	INO stainless steel cylinders	5 families
02	Camozzi — stainless pneumatics	12 families
03	Sensors & safety in stainless steel	8 families
04	INO stainless valves	5 families
05	INO stainless fittings, flanges & connections	6 families

WHY ORDER THROUGH INO

- Local partner in Riga.**
 Warehouse and office at Klijānu iela 8 — pick-up, delivery across Latvia, Lithuania and Estonia.
- Technical selection.**
 Send us a code, photo or nameplate — we find the right part or a compatible equivalent.
- Several brands, one invoice.**
 Stainless cylinders, valves, fittings and sensors for the whole line in a single order — with material certificates.
- Assembly on request.**
 Pre-assembled modules, valve panels and on-site installation.

01 INO stainless steel cylinders

AISI 304/316 cylinders to ISO 6432, ISO 15552 and ISO 21287 — FDA-compliant seals available.



Series Z — ISO 6432 inox

Stainless steel micro cylinders, crimped round tube.



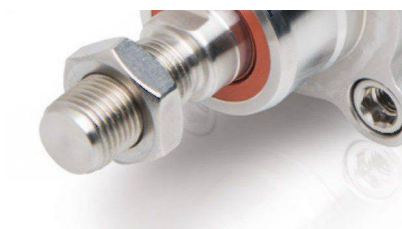
Series J — AISI 304

Stainless steel round cylinders, crimped tube.



Series V — AISI 316

Stainless steel round cylinders with screwed tube — fully serviceable.



Series Y — ISO 15552 inox

Stainless steel ISO 15552 cylinders with tie rods.



Series X — ISO 21287 inox

Compact stainless steel cylinders.

02 Camozzi — stainless pneumatics

Stainless cylinders, solenoid valves, 316L push-in fittings, ball valves and flow controls.



Camozzi Series 97

ISO 15552 stainless steel cylinders.



Camozzi Series 90

Stainless steel cylinders.



Camozzi Series 94 and 95

Stainless steel mini-cylinders.



Camozzi Series CFB-X

Stainless steel solenoid valves.



Camozzi Series X6000

Super-rapid push-in fittings in 316L.



Camozzi Series X1000

Rapid push-on fittings in 316L.



Camozzi Series X2000

Threaded adapters in 316L.



Camozzi Series X29

Mini ball valves in AISI 316.



Camozzi Series XVNR

Check valves in 316L.

Also in the range: Camozzi Series XRFU / XRFO · Camozzi Series XSCU / XMFU · Camozzi Series XVSC

03 Sensors & safety in stainless steel

Full-metal and IP69K sensors, stainless light curtains and AISI 316L safety switches.



Datasensing SG4-H

IP69K stainless steel safety light curtain.



Datasensing UFK

M18 full-metal ultrasonic sensors for food and pharma.



Datasensing Stainless steel

Inductive sensors in stainless steel housings.



Datasensing VBR

M18 vibration sensor, AISI 316L housing.



Datasensing PFK

M18 inductive sensor, IP69K.



Pizzato — HX hinge safety switches — AISI 316L

Hinge switches with AISI 316L stainless steel housing, IP67 / IP69K.



Pizzato — NX RFID safety switches with lock

Technopolymer housing with external AISI 316L metal parts, 6000 N holding force.



Pizzato — stainless connectors & screws

M12 / M23 connectors with stainless ring nut, Torx and OneWay safety screws in AISI 304.

04 INO stainless valves

Ball, butterfly and check valves in stainless steel — manual or actuated.



INO 1- and 3-piece ball valves

AISI 316 ball valves with threaded, weld or clamp ends; ISO 5211 top for actuators.



INO actuated stainless valves

Ball and butterfly valves with pneumatic or electric actuators and limit switch boxes.



INO stainless butterfly valves

Butterfly valves with stainless disc and body for water, CIP and process lines.



INO stainless check valves

Wafer and threaded check valves in stainless steel.



INO hygienic instrumentation

Stainless pressure gauges with clamp diaphragm seals, sight glasses.



Pneumatics — stainless steel

INO stainless cylinders (ISO 6432, AISI 316 round, ISO 15552, ISO 21287) and Camozzi 316L push-in fittings and valves.

SERIES Z

Stainless steel micro cylinders ISO 6432

Series Z · crimped stainless steel round tube



- Bores: Ø 10
- Working pressure 1 ÷ 10 bar
- Working temperature 0 ÷ +80°C (up to +150 °C with high-temperature seals)
- Versions: double acting, double rod
- Filtered, non-lubricated compressed air

SERIES V

Stainless steel round cylinders AISI 316

Series V · screwed AISI 316 tube



- Bores: Ø 32
- Working pressure 1 ÷ 10 bar
- Working temperature 0 ÷ +80°C (up to +150 °C with high-temperature seals)
- Versions: double acting, double rod
- Filtered, non-lubricated compressed air

SERIES Y

Stainless steel cylinders ISO 15552

Series Y · round tube with tie rods



- Bores: Ø 32
- Working pressure 1 ÷ 10 bar
- Working temperature 0 ÷ +80°C (up to +150 °C with high-temperature seals)
- Versions: stelo passante double acting - double rod
- Filtered, non-lubricated compressed air

SERIES X

Compact stainless steel cylinders ISO 21287

Series X · stainless steel round tube with tie rods



- Bores: Ø 20
- Working pressure 1 ÷ 10 bar
- Working temperature 0 ÷ +80°C (up to +150 °C with high-temperature seals)
- Versions: doppio effetto - antirotazione - stelo passante
- Filtered, non-lubricated compressed air

B Camozzi — stainless pneumatics & water fittings

The 316L stainless range for machines that are washed down daily, and push-in fittings for drinking water, filtration, dispensers and beverage machines. Datasheets and certificates on request.



Camozzi Series 7000 Beverage & Water

GRIPfit push-in fittings, low-lead brass CW510L — NSF, potable water and food contact certified; tube Ø4–8 mm.



Camozzi Series X6000

Super-rapid push-in fittings in AISI 316L for wash-down areas.



Camozzi Series X1000

Rapid push-on fittings in AISI 316L.



Camozzi Series X2000

Threaded adapters in AISI 316L.



Camozzi Series XVNR

Check valves in AISI 316L.



Camozzi Series X29

Mini ball valves in AISI 316.



Camozzi Series XRFU / XRFO

Flow control valves in AISI 316L.



Camozzi Series XSCU / XMFU

Flow regulators in AISI 316L.



Camozzi Series XVSC

Quick exhaust valves in stainless steel.



Pizzato — AISI 316L & IP69K safety devices

AISI 316L hinge switches, stainless RFID safety switches with lock, stainless connectors and safety screws.



Safety switches for hinged doors

HP AA series hinge switches

Metal housing
With 2 m cable or M12 connector
Protection degrees IP67 and IP69K
Marks:      

Slow action contacts 1NO+2NC



HP AB series hinge switches

Metal housing
With 2 m cable or M12 connector
Protection degrees IP67 and IP69K
Marks:      

Slow action contacts 1NO+2NC



HX series hinge switches

AISI 316L stainless steel housing
With 2 m cable or M12 connector
Protection degrees IP67 and IP69K
Marks:      

Slow action contacts 2NO+2NC



HX series electronic hinge switches

AISI 316L stainless steel housing
With 2 m cable or M12 connector
Protection degrees IP67 and IP69K
Status LED
Supply voltage: 24 Vdc
Marks:      

PNP switching outputs



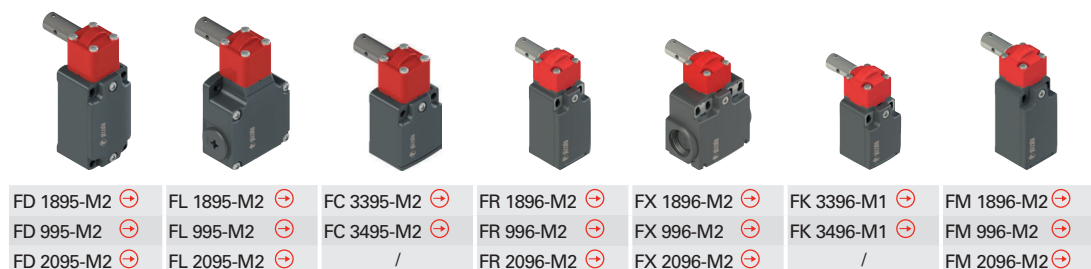
For safety applications, the HX series electronic hinge switches must be connected to modules with OSSD inputs. Shown on the side are the compatible Pizzato modules. See technical data on page 64

CS AR-01•024
CS AR-02•024
CS AR-05•024
CS AR-06•024
CS AR-08•024
CS AT-0•024
CS AT-1•024
CS MP•••••
CS MF•••••

Switches for hinges FD, FL and FC series FR, FX, FK, FM series

Technopolymer housing or metal housing
One, two or three conduit entries
Protection degree IP67
Marks:      

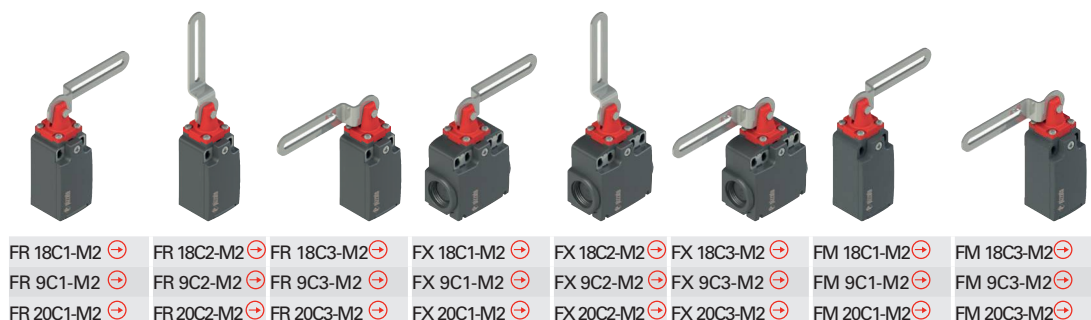
Slow action contacts 1NO+1NC
Slow action contacts 2NC
Slow action contacts 1NO+2NC



FR, FX, FM series switches with slotted hole lever

Technopolymer housing or metal housing
One or two conduit entries M20x1.5
Protection degree IP67
Marks:      

Slow action contacts 1NO+1NC
Slow action contacts 2NC
Slow action contacts 1NO+2NC



NX series

RFID safety switches with lock

Compact dimensions: 30 x 30 x 94,5 mm

Technopolymer housing, metal head

Metal actuator with high coding level
(EN ISO 14119)

Max. holding force: 6000 N

Bistable operation

Protection degrees IP67 and IP69K

Status signalling RGB LED

Marks:     **ECOLAB** 

With M12 connector, axial

Mode 1 

OS1/OS2 safety outputs active with inserted and locked actuator

Mode 2

OS1/OS2 safety outputs active with inserted actuator

Inputs

2 safety inputs IS1, IS2
2 solenoid activation inputs IE1, IE2
1 programming / reset input I3

Outputs

2 safety outputs OS1, OS2
1 signalling output O3: closed guard
1 signalling output O4: locked guard

Bistable with front hex-key release



NX B42AZ1SMK-F61

NX P42AZ1SMK-F61

Bistable with front hex-key release
With EDM input



NX B52AZ1SMK-F61

NX P52AZ1SMK-F61

Bistable with hex-key release on
three sides



NX B42CZ1SMK-F61

NX P42CZ1SMK-F61

Bistable with hex-key release on
three sides
With EDM input



NX B52CZ1SMK-F61

NX P52CZ1SMK-F61

Bistable with hexagonal key release
at front and escape release button
at back



NX B42AE1SMK-F61

NX P42AE1SMK-F61

Bistable with hexagonal key at front
and escape release button at back
With EDM input



NX B52AE1SMK-F61

NX P52AE1SMK-F61

Bistable with hexagonal key release
on three sides and escape release
button at back



NX B42CE1SMK-F61

NX P42CE1SMK-F61

Bistable with hexagonal key release
on three sides and escape release
button at back
With EDM input



NX B52CE1SMK-F61

NX P52CE1SMK-F61

With M12 connector, axial

Mode 1 

OS1/OS2 safety outputs active with inserted and locked actuator

Mode 2

OS1/OS2 safety outputs active with inserted actuator

Bistable with front hex-key release



NX B42AZ1SM0.2-F61

NX P42AZ1SM0.2-F61

Bistable with front hex-key release
With EDM input



NX B52AZ1SM0.2-F61

NX P52AZ1SM0.2-F61

Bistable with hex-key release on
three sides



NX B42CZ1SM0.2-F61

NX P42CZ1SM0.2-F61

Bistable with hex-key release on
three sides
With EDM input



NX B52CZ1SM0.2-F61

NX P52CZ1SM0.2-F61

With axial cable, 0.2 m length
and M12 connector

Mode 1 

OS1/OS2 safety outputs active with inserted and locked actuator

Mode 2

OS1/OS2 safety outputs active with inserted actuator

Bistable with hexagonal key release
at front and escape release button
at back



NX B42AE1SM0.2-F61

NX P42AE1SM0.2-F61

Bistable with hexagonal key at front
and escape release button at back
With EDM input



NX B52AE1SM0.2-F61

NX P52AE1SM0.2-F61

Bistable with hexagonal key release
on three sides and escape release
button at back



NX B42CE1SM0.2-F61

NX P42CE1SM0.2-F61

Bistable with hexagonal key release
on three sides and escape release
button at back
With EDM input



NX B52CE1SM0.2-F61

NX P52CE1SM0.2-F61

With axial cable, 0.2 m length
and M12 connector

Mode 1 

OS1/OS2 safety outputs active with inserted and locked actuator

Mode 2

OS1/OS2 safety outputs active with inserted actuator

Safety switches with separate actuator with lock

NX series RFID safety switches in stainless steel with lock

Compact dimensions: 30 x 30 x 94,5 mm
Technopolymer housing, external metal parts in AISI 316L stainless steel
Actuator with high coding level and metal parts in AISI 316L stainless steel
Max. holding force: 6000 N
Bistable operation
Protection degrees IP67 and IP69K
Status signalling RGB LED

Marks:     

With M12 connector, axial

Mode 1 

OS1/OS2 safety outputs active with inserted and locked actuator

Mode 2

OS1/OS2 safety outputs active with inserted actuator

Inputs

2 safety inputs IS1, IS2
2 solenoid activation inputs IE1, IE2
1 programming / reset input I3

Outputs

2 safety outputs OS1, OS2
1 signalling output O3: closed guard
1 signalling output O4: locked guard

Bistable with front hex-key release



NX B42AZ2SMK-F71

NX P42AZ2SMK-F71

Bistable with front hex-key release
With EDM input



NX B52AZ2SMK-F71

NX P52AZ2SMK-F71

Bistable with hex-key release on three sides



NX B42CZ2SMK-F71

NX P42CZ2SMK-F71

Bistable with hex-key release on three sides
With EDM input



NX B52CZ2SMK-F71

NX P52CZ2SMK-F71

Bistable with hexagonal key release at front and escape release button at back



NX B42AE2SMK-F71

NX P42AE2SMK-F71

Bistable with hexagonal key at front and escape release button at back
With EDM input



NX B52AE2SMK-F71

NX P52AE2SMK-F71

Bistable with hexagonal key release on three sides and escape release button at back



NX B42CE2SMK-F71

NX P42CE2SMK-F71

Bistable with hexagonal key release on three sides and escape release button at back
With EDM input



NX B52CE2SMK-F71

NX P52CE2SMK-F71

With M12 connector, axial

Mode 1 

OS1/OS2 safety outputs active with inserted and locked actuator

Mode 2

OS1/OS2 safety outputs active with inserted actuator

Bistable with front hex-key release



NX B42AZ2SM0.2-F71

NX P42AZ2SM0.2-F71

Bistable with front hex-key release
With EDM input



NX B52AZ2SM0.2-F71

NX P52AZ2SM0.2-F71

Bistable with hex-key release on three sides



NX B42CZ2SM0.2-F71

NX P42CZ2SM0.2-F71

Bistable with hex-key release on three sides
With EDM input



NX B52CZ2SM0.2-F71

NX P52CZ2SM0.2-F71

With axial cable, 0.2 m length and M12 connector

Mode 1 

OS1/OS2 safety outputs active with inserted and locked actuator

Mode 2

OS1/OS2 safety outputs active with inserted actuator

Bistable with hexagonal key release at front and escape release button at back



NX B42AE2SM0.2-F71

NX P42AE2SM0.2-F71

Bistable with hexagonal key at front and escape release button at back
With EDM input



NX B52AE2SM0.2-F71

NX P52AE2SM0.2-F71

Bistable with hexagonal key release on three sides and escape release button at back



NX B42CE2SM0.2-F71

NX P42CE2SM0.2-F71

Bistable with hexagonal key release on three sides and escape release button at back
With EDM input



NX B52CE2SM0.2-F71

NX P52CE2SM0.2-F71

With axial cable, 0.2 m length and M12 connector

Mode 1 

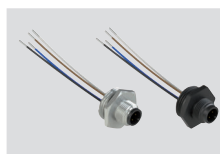
OS1/OS2 safety outputs active with inserted and locked actuator

Mode 2

OS1/OS2 safety outputs active with inserted actuator

Accessories

M8 - M12 connectors



M12 male connectors for panel mounting

Protection degrees IP67 and IP69K.
PG 13.5 or M20x1.5 thread on the device side.
Gold-plated contacts.

	Article	Description
Threads M20x1.5	VF CNM4MM	M12 connector, 4-pole, metal
	VF CNM5MM	M12 connector, 5-pole, metal
	VF CNM8MM	M12 connector, 8-pole, metal
	VF CNM12MM-L16	M12 connector, 12-pole, metal
	VF CNP4MM	M12 connector, 4-pole, plastic
	VF CNP5MM	M12 connector, 5-pole, plastic
	VF CNP8MM	M12 connector, 8-pole, plastic
Threads PG 13.5	VF CNM4PM	M12 connector, 4-pole, metal
	VF CNM5PM	M12 connector, 5-pole, metal
	VF CNM8PM	M12 connector, 8-pole, metal
	VF CNP4PM	M12 connector, 4-pole, plastic
	VF CNP5PM	M12 connector, 5-pole, plastic



M8 and M12 female connectors with cable

Protection degrees IP67 and IP69K.
Anti-vibration self-locking ring nut.
Gold-plated contacts.

	Article	Description
PVC cable	VF CA4PD3K	M8 connector, 4-pole, straight, length 3 m
	VF CA4PD5K	M8 connector, 4-pole, straight, length 5 m
	VF CA4PD3M	M12 connector, 4-pole, straight, length 3 m
	VF CA4PD5M	M12 connector, 4-pole, straight, length 5 m
	VF CA4PD10M	M12 connector, 4-pole, straight, length 10 m
	VF CA5PD3M	M12 connector, 5-pole, straight, length 3 m
	VF CA5PD5M	M12 connector, 5-pole, straight, length 5 m
	VF CA5PD10M	M12 connector, 5-pole, straight, length 10 m
	VF CA8PD3M	M12 connector, 8-pole, straight, length 3 m
	VF CA8PD5M	M12 connector, 8-pole, straight, length 5 m
	VF CA8PD10M	M12 connector, 8-pole, straight, length 10 m
	VF CA8PD20M	M12 connector, 8-pole, straight, length 20 m
	VF CA12PD3M	M12 connector, 12-pole, straight, length 3 m
	VF CA12PD5M	M12 connector, 12-pole, straight, length 5 m
	VF CA12PD10M	M12 connector, 12-pole, straight, length 10 m
	VF CA12PD20M	M12 connector, 12-pole, straight, length 20 m
	VF CA12PD30M	M12 connector, 12-pole, straight, length 30 m
PUR cable	VF CA8UD5M-X	M12 connector, 8-pole, straight, length 5 m, with stainless steel hexagonal ring nut
	VF CA8UD10M-X	M12 connector, 8-pole, straight, length 10 m, with stainless steel hexagonal ring nut
	VF CA12UD10M-X	M12 connector, 12-pole, straight, length 10 m, with stainless steel hexagonal ring nut



Field wireable M12 female connectors

Technopolymer connector body.
Gold-plated contacts.
Screw terminals for cable screw fittings.
Protection degree IP67.

Article	Description
VF CBMP4DM04	Field wireable M12 female connector, 4-pole, straight, for Ø 4 ... 6.5 mm multipolar cables
VF CBMP5DM04	Field wireable M12 female connector, 5-pole, straight, for Ø 4 ... 6.5 mm multipolar cables
VF CBMP8DM04	Field wireable M12 female connector, 8-pole, straight, for Ø 4 ... 7 mm multipolar cables



Field wireable M12 male connectors

Technopolymer connector body.
Gold-plated contacts.
Screw terminals for cable screw fittings.
Protection degree IP67.

Article	Description
VF CCMP5DM04	Field wireable M12 male connector, 5-pole, straight, for Ø 4 ... Ø 6.5 mm multipolar cables
VF CCMP8DM04	Field wireable M12 male connector, 8-pole, straight, for Ø 4 ... Ø 7 mm multipolar cables

M12 connectors for series connection



M12 extension cables with male and female connector

Polyurethane connector body.
Protection degree IP67.
Gold-plated contacts.
Anti-vibration self-locking ring nut.

Article	Description
VF CA5PD3M-MD	M12 connector, 5-pole, straight, length 3 m
VF CA5PD5M-MD	M12 connector, 5-pole, straight, length 5 m
VF CA5PD10M-MD	M12 connector, 5-pole, straight, length 10 m
VF CA8PD3M-MD	M12 connector, 8-pole, straight, length 3 m
VF CA8PD5M-MD	M12 connector, 8-pole, straight, length 5 m
VF CA8PD10M-MD	M12 connector, 8-pole, straight, length 10 m



M12 terminating plugs for series connections

Polyurethane connector body.
Protection degree IP67.
Gold-plated contacts.
Anti-vibration self-locking ring nut.

Article	Description
VF CY100P0	M12 terminating plugs for series connections, 4-pole



Y-cable with M12 connectors, for series connections, 150 mm cable length

Polyurethane connector body.
Protection degree IP67.
Gold-plated contacts.
Anti-vibration self-locking ring nut.

Article	Description
VF CY201P0	Y-cable with M12 connectors, for series connections, 150 mm cable length



M12 connector, Y-shaped, for series connections without cable

Polyurethane connector body.
Protection degree IP67.
Gold-plated contacts.
Anti-vibration self-locking ring nut.

Article	Description
VF CY203P0	M12 connector, Y-shaped, for series connections without cable

Fixing screws



Torx safety screws

Pan head screws with Torx fitting and pin, stainless steel.
Use a thread locker where required for applications acc. to EN ISO 14119.

Packs of **10 pcs.**

Article	Description
VF VAM4X10BX-X	M4x10 screw, with Torx T20 fitting, AISI 304
VF VAM4X15BX-X	M4x15 screw, with Torx T20 fitting, AISI 304
VF VAM4X20BX-X	M4x20 screw, with Torx T20 fitting, AISI 304
VF VAM4X25BX-X	M4x25 screw, with Torx T20 fitting, AISI 304
VF VAM4X30BX-X	M4x30 screw, with Torx T20 fitting, AISI 304
VF VAM5X10BX-X	M5x10 screw, with Torx T25 fitting, AISI 304
VF VAM5X15BX-X	M5x15 screw, with Torx T25 fitting, AISI 304
VF VAM5X20BX-X	M5x20 screw, with Torx T25 fitting, AISI 304
VF VAM5X25BX-X	M5x25 screw, with Torx T25 fitting, AISI 304
VF VAM5X35BX-X	M5x35 screw, with Torx T25 fitting, AISI 304
VF VAM5X45BX-X	M5x45 screw, with Torx T25 fitting, AISI 304

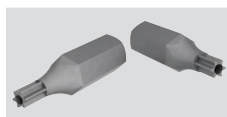


OneWay safety screws

Pan head screws with OneWay fitting in stainless steel.
This screw type cannot be removed or tampered with using common tools. Ideal for fixing safety device actuators in accordance with EN ISO 14119.

Packs of **10 pcs.**

Article	Description
VF VAM4X10BW-X	M4x10 screw, with OneWay fitting, AISI 304
VF VAM4X15BW-X	M4x15 screw, with OneWay fitting, AISI 304
VF VAM4X20BW-X	M4x20 screw, with OneWay fitting, AISI 304
VF VAM4X25BW-X	M4x25 screw, with OneWay fitting, AISI 304
VF VAM5X10BW-X	M5x10 screw, with OneWay fitting, AISI 304
VF VAM5X15BW-X	M5x15 screw, with OneWay fitting, AISI 304
VF VAM5X20BW-X	M5x20 screw, with OneWay fitting, AISI 304
VF VAM5X25BW-X	M5x25 screw, with OneWay fitting, AISI 304



Bits for Torx safety screws

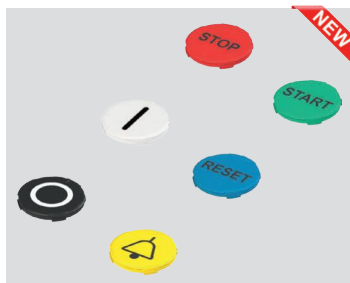
Bits for safety screws, with 1/4" connection.

Article	Description
VF VAIT1T20	Bits for M4 screws with Torx T20 fitting with safety pin
VF VAIT1T25	Bits for M5 screws with Torx T25 fitting with safety pin
VF VAIT1T30	Bits for M6 screws with Torx T30 fitting with safety pin

Lenses for VN NG-AC•• series buttons



Lenses without engraving				
Article	Description	Colours	Pieces/ package	
VN NG-AC01	Lens for flush button, black, without engraving	●	10	
VN NG-AC02	Lens for flush button, white, without engraving	○	10	
VN NG-AC03	Lens for flush button, red, without engraving	●	10	
VN NG-AC04	Lens for flush button, green, without engraving	●	10	
VN NG-AC05	Lens for flush button, yellow, without engraving	●	10	
VN NG-AC06	Lens for flush button, blue, without engraving	●	10	
VN NG-ACA0	6 lenses for flush button without engraving, colours: black, white, red, green, yellow and blue	● ○ ● ● ● ●	1	



Lenses with engraving				
Article	Description	Colours	Pieces/ package	
VN NG-AC01-●●●●	Lens for flush button, black, with engraving	●	1	
VN NG-AC02-●●●●	Lens for flush button, white, with engraving	○	1	
VN NG-AC03-●●●●	Lens for flush button, red, with engraving	●	1	
VN NG-AC04-●●●●	Lens for flush button, green, with engraving	●	1	
VN NG-AC05-●●●●	Lens for flush button, yellow, with engraving	●	1	
VN NG-AC06-●●●●	Lens for flush button, blue, with engraving	●	1	

The black lens cannot be used with illuminated buttons.

For ordering engraved lenses for buttons: replace the dots ●●●● in the article codes with the engraving code reported in the chapter Accessories on page 77.

Example: white lens for flush button with "O" engraving. VN NG-AC02-●●●● → VN NG-AC02-L1



Stainless steel valves

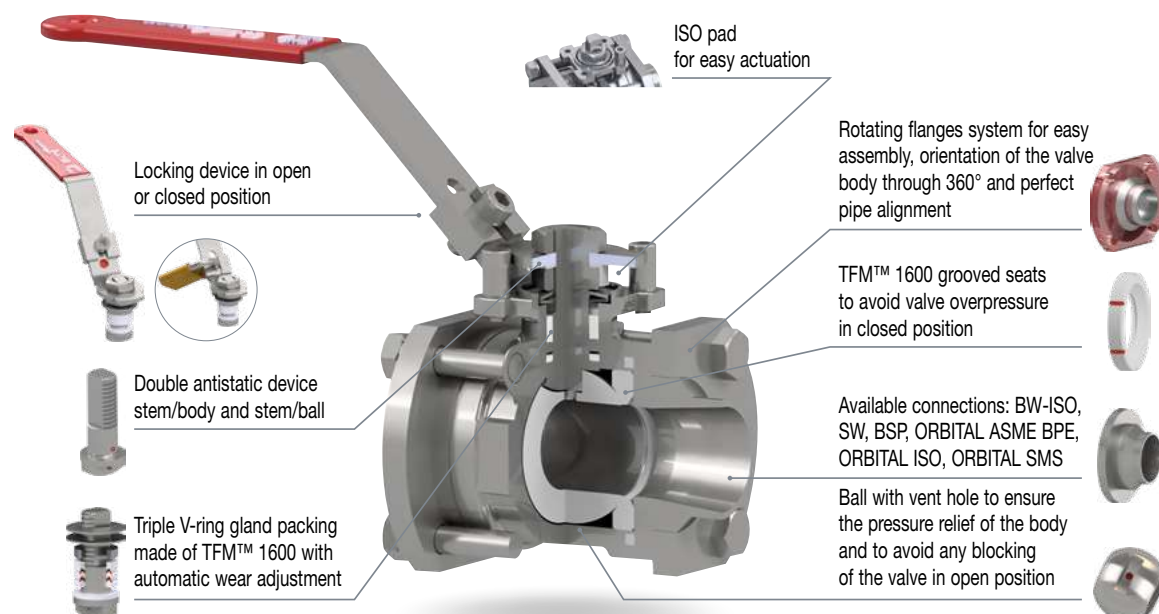
1- and 3-piece ball valves, actuated valves, SMS valves and stainless check valves.

Stainless steel ball valves

HYGIENIC

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Rotating ends 3 piece ball valves



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Food application

ELIT - Stainless steel

1.4409 body - CF3M ball.



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
PS (bar)	63	63	63	63	63	63	63	50	40	40	25
BW-ISO code	ELITBW08	ELITBW12	ELITBW15	ELITBW20	ELITBW25	ELITBW32	ELITBW40	ELITBW50	ELITBW65	ELITBW80	ELITBW100
SW code	ELITSW08	ELITSW12	ELITSW15	ELITSW20	ELITSW25	ELITSW32	ELITSW40	ELITSW50	-	-	-
BSP code	ELITBSP08	ELITBSP12	ELITBSP15	ELITBSP20	ELITBSP25	ELITBSP32	ELITBSP40	ELITBSP50	-	-	-

ELITOSMS - Stainless steel - Orbital welding ends



1.4409 body - CF3M ball.

Ø	25	38	51	63	76	104
PS (bar)	63	63	63	50	40	25
SMS code	ELITOSMS25	ELITOSMS38	ELITOSMS51	ELITOSMS63	ELITOSMS76	ELITOSMS104

ELITR - Stainless steel - Reduced bore



1.4409 body - CF3M ball - Reduced bore.

Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"
PS (bar)	63	63	63	63	63	63	50	40	40	25
BW-ISO code	ELITBW15R	ELITBW20R	ELITBW25R	ELITBW32R	ELITBW40R	ELITBW50R	ELITBW65R	ELITBW80R	ELITBW100R	ELITBW125R

ELIT - Stainless steel body

1.4409 body - CF3M ball - Full bore.

Ø	08	12	15	20	25	32	40	50
bore (mm)	11,3	11,3	15	20	25,4	32	38,2	50
face to face (mm)	20,4	20,4	24,4	31,6	41,4	48,2	56,2	71
code	ELIT08	ELIT12	ELIT15	ELIT20	ELIT25	ELIT32	ELIT40	ELIT50

Actuated stainless steel ball valves

HYGIENIC

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Rotating ends 3 piece ball valves

All our pneumatic actuated ball valves are designed for a compressed air supply of 6 bar - Other air supply pressure on request, please consult.
All our electric actuated ball valves are equipped with a 230V AC actuator as standard - Other power supply on request, please consult.
⚠ **ΔP max.: 10 bar** - Actuators & automation complements, see pages 229.

ELIT - Pneumatic actuated stainless steel ball valve

1.4409 body - Full bore - TS: -50°C/+200°C.



double acting		
Ø	actuator	code
1/4"	ADA20	271100015100
3/8"	ADA20	271101015100
1/2"	ADA20	271102015100
3/4"	ADA20	271103015100
1"	ADA20	271104015100
1 1/4"	ADA40	271105015101
1 1/2"	ADA40	271106015101
2"	ADA80	271107015102



spring return		
Ø	actuator	code
1/4"	ASR40	271100016101
3/8"	ASR40	271101016101
1/2"	ASR40	271102016101
3/4"	ASR40	271103016101
1"	ASR40	271104016101
1 1/4"	ASR80	271105016102
1 1/2"	ASR80	271106016102
2"	ASR200	271107016104

ELIT - Pneumatic actuated stainless steel ball valve

1.4409 body - Full bore - TS: -50°C/+200°C.



double acting		
Ø	actuator	code
1/4"	RE51	271100017006R
3/8"	RE51	271101017006R
1/2"	RE51	271102017006R
3/4"	RE51	271103017006R
1"	RE51	271104017006R
1 1/4"	RE64	271105017007R
1 1/2"	RE64	271106017007R
2"	RE76	271107017008R



spring return		
Ø	actuator	code
1/4"	RES51	271100017106R
3/8"	RES51	271101017106R
1/2"	RES51	271102017106R
3/4"	RES51	271103017106R
1"	RES64	271104017107R
1 1/4"	RES76	271105017108R
1 1/2"	RES86	271106017109R
2"	RES101	271107017110R



double acting		
Ø	actuator	code
1/4"	RE51 PTFE	271100017036
3/8"	RE51 PTFE	271101017036
1/2"	RE51 PTFE	271102017036
3/4"	RE51 PTFE	271103017036
1"	RE51 PTFE	271104017036
1 1/4"	RE64 PTFE	271105017037
1 1/2"	RE64 PTFE	271106017037
2"	RE76 PTFE	271107017038



spring return		
Ø	actuator	code
1/4"	RES51 PTFE	271100017136
3/8"	RES51 PTFE	271101017136
1/2"	RES51 PTFE	271102017136
3/4"	RES51 PTFE	271103017136
1"	RES64 PTFE	271104017137
1 1/4"	RES76 PTFE	271105017138
1 1/2"	RES86 PTFE	271106017139
2"	RES101 PTFE	271107017140

also available			
code	27110...	27111...	27112...

ELITR - Pneumatic actuated stainless steel ball valve with reduced bore

1.4409 body - Reduced bore - TS: -50°C/+200°C.



double acting		
Ø	actuator	code
1/2"	ADA20	271102R015100
3/4"	ADA20	271103R015100
1"	ADA20	271104R015100
1 1/4"	ADA20	271105R015100
1 1/2"	ADA40	271106R015101
2"	ADA40	271107R015101
2 1/2"	ADA80	271108R015102



spring return		
Ø	actuator	code
1/2"	ASR40	271102R016101
3/4"	ASR40	271103R016101
1"	ASR40	271104R016101
1 1/4"	ASR40	271105R016101
1 1/2"	ASR80	271106R016102
2"	ASR80	271107R016102
2 1/2"	ASR200	271108R016104

■ Standard male connection

2SMSVPLL/4SMSVPLL - Stainless steel 

Ø	25	38	51	63	76	101	104
304 code	2SMSVPLL25	2SMSVPLL38	2SMSVPLL51	2SMSVPLL63	2SMSVPLL76	2SMSVPLL101	2SMSVPLL104
316L code	4SMSVPLL25	4SMSVPLL38	4SMSVPLL51	4SMSVPLL63	4SMSVPLL76	4SMSVPLL101	4SMSVPLL104

2SMSVPLM/4SMSVPLM - Stainless steel 

Ø	25	38	51	63	76	101	104
304 code	2SMSVPLM25	2SMSVPLM38	2SMSVPLM51	2SMSVPLM63	2SMSVPLM76	2SMSVPLM101	2SMSVPLM104
316L code	4SMSVPLM25	4SMSVPLM38	4SMSVPLM51	4SMSVPLM63	4SMSVPLM76	4SMSVPLM101	4SMSVPLM104

2SMSVPM/4SMSVPM - Stainless steel 

Ø	25	38	51	63	76	104
304 code	2SMSVPM25	2SMSVPM38	2SMSVPM51	2SMSVPM63	2SMSVPM76	2SMSVPM104
316L code	4SMSVPM25	4SMSVPM38	4SMSVPM51	4SMSVPM63	4SMSVPM76	4SMSVPM104

■ Female swivel free nut

4SMSVPLF - Stainless steel 

Ø	25	38	51	63	76	104
316L code	4SMSVPLF25	4SMSVPLF38	4SMSVPLF51	4SMSVPLF63	4SMSVPLF76	4SMSVPLF104

4SMSVPFF - Stainless steel - female-female 

Ø	25	38	51	63	76	104
316L code	4SMSVPFF25	4SMSVPFF38	4SMSVPFF51	4SMSVPFF63	4SMSVPFF76	4SMSVPFF104

4SMSVPMF - Stainless steel - male-female 

Ø	25	38	51	63	76	104
316L code	4SMSVPMF25	4SMSVPMF38	4SMSVPMF51	4SMSVPMF63	4SMSVPMF76	4SMSVPMF104

Pneumatic actuated butterfly valves

Our pneumatic actuated butterfly valves are designed for a compressed air supply of 6 bar min. & 7 bar max. - Air connection: BSP 1/8" - 316L body - IP67 - Room temp.: -10°C/+80°C - TS: -33°C/+200°C -

⚠ ΔP max.: 10 bar - Supplied disassembled. For mounting, 25 €/pc additional will be invoiced.

4SMSVPLL - Stainless steel 

double acting	
Ø	code
25	FG4SMSVPLL25DE
38	FG4SMSVPLL38DE
51	FG4SMSVPLL51DE
63	FG4SMSVPLL63DE
76	FG4SMSVPLL76DE
101	FG4SMSVPLL101DE
104	FG4SMSVPLL104DE

also available   

code ...VPLL... ...VPLM... ...VPM...



spring return	
Ø	code
25	FG4SMSVPLL25SE
38	FG4SMSVPLL38SE
51	FG4SMSVPLL51SE
63	FG4SMSVPLL63SE
76	FG4SMSVPLL76SE
101	FG4SMSVPLL101SE
104	FG4SMSVPLL104SE

Carbon steel & stainless steel ball valves

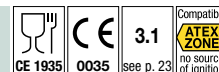
FOOD CONTACT

catalogue 01 · Ball valves · p. 37

OXYGEN

FOOD

2014/68/EU Directive N°0035 - Risk category II / module H - RTFE seats - Full bore - Anti-blowout stem - Antistatic device - Locking device - PS: 63 bar - TS: -20°C/+200°C.



7143 - Stainless steel - silicone free (BSP)

CF8M body & ball - Supplied inside sealed bag with caps.

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
PS (bar)	63	63	63	63	63	63	63	63
code	714302	714303	714304	714305	714306	714307	714308	714309

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FOOD 3 piece body - Rotating ends

Guarantee
5 Years

2014/68/EU Directive N°0035 - Risk category II / module H - Fugitive emissions ISO 15848-1 - SIL 2 (& SIL 3 capable) - 1935/2004 Regulation, FDA - CF3M ball - TFM™ 1600 V-ring gland packing - Anti-blowout stem - Double antistatic device - ISO pad - Ball Ra: 0.4 µm - PS: 63 bar up to 1 1/2", 50 bar for 2", 40 bar for 2 1/2" and 3", 25 bar for 4" - TS: -50/+210°C.



ELSA



ELIT - Stainless steel

(BW) ISO (BW) (BSP)

1.4409 body - TFM™ 1600 seat - Full bore - Ra 0.8 µm.

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
BW-ISO code	ELITBW08	ELITBW12	ELITBW15	ELITBW20	ELITBW25	ELITBW32	ELITBW40	ELITBW50	ELITBW65	ELITBW80	ELITBW100
SW code	ELITSW08	ELITSW12	ELITSW15	ELITSW20	ELITSW25	ELITSW32	ELITSW40	ELITSW50	-	-	-
BSP code	ELITBSP08	ELITBSP12	ELITBSP15	ELITBSP20	ELITBSP25	ELITBSP32	ELITBSP40	ELITBSP50	-	-	-

Concentric butterfly valves

catalogue 02 · Butterfly valves · p. 108



■ Seat alimentary silicone - TS: -40°C/+150°C

1183 - Disc polished CF8M

Between flanges PN10/16 & ANSI 150.

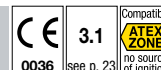


DN	32-40	50	65	80	100	125	150	200	250	300
PS (bar)	16	16	16	16	16	16	16	16	16	16
code	1183040	1183050	1183065	1183080	1183100	1183125	1183150	1183200	1183250	1183300

* FDA certification on request. Approx. 4 weeks delivery time.

Wafer spring - All positions

2014/23/EU Directive N°0036 - Risk category II / module A2 - EN 558 series 49 - CF8M body - F316 disc - Metal-metal tightness - PS: 40 bar - TS: -20°C/+200°C.



390 - Stainless steel - S-First

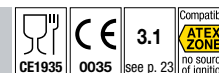
Between flanges PN10/16/25/40 & ANSI 150 & 300



DN	15	20	25	32	40	50	65	80	100
face to face	16	19	21	27	31	40	46	50	60
code	390015	390020	390025	390032	390040	390050	390065	390080	390100

FOOD

2014/68/EU Directive N°0035 - Risk category II / module H - CF8M body - F316 disc - Metal-metal tightness - PS: 40 bar - TS: -20°C/+400°C. ⚠ **Steam up to 14 bar max.**



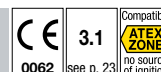
386 - Stainless steel

Between flanges PN10/16/25/40.



DN	15	20	25	32	40	50	65	80	100
face to face	16	19	22	28	31,5	40	46	49	60
code	386015	386020	386025	386032	386040	386050	386065	386080	386100

2014/68/EU Directive N°0062 - Risk category II / module H - CF8M body - F316 disc - Metal-metal tightness - PS: 40 bar - TS: -20°C/+400°C. ⚠ **Steam up to 14 bar max.**



386 - Stainless steel

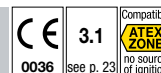
Between flanges PN40.



DN	125	150	200
face to face	90	106	140
code	386125	386150	386200

Swing

2014/68/EU Directive N°0036 - Risk category II / module A2 - CF8M body & plate - Metal-metal tightness - PS: 16 bar - TS: -25°C/+180°C - ⚠ **Not suitable for pulsatory pace - Max. speed 3m/sec.**



320 - Stainless steel



Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
code	320002	320003	320004	320005	320006	320007	320008	320009

Excluded from 2014/68/EU Directive (article 4, §3) - Flanged RF PN16 - EN 558 series 48 (DIN 3202 F6) - EN-GJL-250 (GG25) body & plate - PS: 16 bar - ⚠ **Not suitable for pulsatory pace - Max. speed 3m/sec.**

3.1
see p. 23

360 - Cast iron - Metal seat

TS: -10°C/+120°C.

362 - Cast iron - EPDM seat

TS: -10°C/+80°C.



DN	40	50	65	80	100	125	150	200	250	300
face to face	180	200	240	260	300	350	400	500	600	700
360 code	360040	360050	360065	360080	360100	360125	360150	360200	360250	360300
362 code	362040	362050	362065	362080	362100	362125	362150	362200	362250	362300

Excluded from 2014/68/EU Directive (art. 4, §3) - Flanged RF PN10/16 - EN 558 series 48 (DIN 3202 F6) - EN-GJS-500-7 (GGG50) body - EPDM coated ductile iron plate - Full bore - With draining cap - PS: 10 bar for PN10 valves, 16 bar for PN16 valves - FFS: -10°C/+80°C.



357 - EPDM swing plate



DN	50	65	80	100	125	150	200	250	300
face to face	200	240	260	300	350	400	500	600	700
PN10 code	-	-	-	-	-	-	357200	357250	357300
PN16 code	357050	357065	357080	357100	357125	357150	357201	357251	357301



Fittings, flanges & connections

Stainless press system, threaded fittings, pipe fittings, flanges and hygienic clamps in 304L / 316L.

Stainless steel press piping system



**Mandatory
packing applies**

Press fitting system for heating, solar heating, air conditioning & compressed air installations - Advantages: easy to install, very reliable, low weight, no fire risk during installation - Fitting material: 316L stainless steel - Black marking on each pipe & fitting - Blue ring - Toroidal seat for better tightness - Manufactured acc. to EN 10088-1 - Supplied with EPDM (black) gasket - FKM (green) gasket available for solar & compressed air - Lens designed gasket for better tightness - Max. pressure: 16 bar up to Ø 54, 10 bar above - Temperature range: -20°C/+110°C with EPDM gasket, -20°C/+220°C with FKM gasket - **M type press jaw**.

⚠ Please consult for pipe min. quantities & specific freight charges.



Stainless steel pipes

304L pipes

Ø	Ø int (mm)	weight (kg/m)
15 x 1,2	12,6	0,350
18 x 1,2	15,6	0,430
22 x 1,5	19	0,630
28 x 1,5	25	0,810
35 x 1,5	32	1,260
42 x 1,5	39	1,520
54 x 1,5	51	1,920
76,1 x 2,0	72,1	3,710
88,9 x 2,0	84,9	4,350
108 x 2,0	104	5,310

3 m	
bundle (m)	code
507	IN304L15.3
507	IN304L18.3
273	IN304L22.3
273	IN304L28.3
183	IN304L35.3
111	IN304L42.3
111	IN304L54.3
48	IN304L76.3
48	IN304L88.3
39	IN304L108.3

6 m	
bundle (m)	code
1014	IN304L15
1014	IN304L18
546	IN304L22
546	IN304L28
366	IN304L35
222	IN304L42
222	IN304L54
96	IN304L76
96	IN304L88
78	IN304L108

316L pipes

Ø	Ø int (mm)	weight (kg/m)
15 x 1,2	12,6	0,350
18 x 1,2	15,6	0,430
22 x 1,5	19	0,630
28 x 1,5	25	0,810
35 x 1,5	32	1,260
42 x 1,5	39	1,520
54 x 1,5	51	1,920
76,1 x 2,0	72,1	3,710
88,9 x 2,0	84,9	4,350
108 x 2,0	104	5,310

3 m	
bundle (m)	code
507	IN316L15.3
507	IN316L18.3
273	IN316L22.3
273	IN316L28.3
183	IN316L35.3
111	IN316L42.3
111	IN316L54.3
48	IN316L76.3
48	IN316L88.3
39	IN316L108.3

6 m	
bundle (m)	code
1014	IN316L15
1014	IN316L18
546	IN316L22
546	IN316L28
366	IN316L35
222	IN316L42
222	IN316L54
96	IN316L76
96	IN316L88
78	IN316L108

Stainless steel press fittings

Elbow 90° female/female

Ø	15	18	22	28	35	42	54	76,1	88,9	108
pack	20	15	12	6	10	6	3	1	1	1
code	INC15	INC18	INC22	INC28	INC35	INC42	INC54	INC76	INC88	INC108

Elbow 45° female/female

Ø	15	18	22	28	35	42	54	76,1	88,9	108
pack	25	15	15	8	15	8	5	1	1	1
code	INC4515	INC4518	INC4522	INC4528	INC4535	INC4542	INC4554	INC4576	INC4588	INC45108

Elbow 90° male/female

Ø	15	18	22	28	35	42	54	76,1	88,9	108
pack	20	10	12	6	10	6	3	1	1	1
code	INCTU15	INCTU18	INCTU22	INCTU28	INCTU35	INCTU42	INCTU54	INCTU76	INCTU88	INCTU108

Elbow 45° male/female

Ø	15	18	22	28	35	42	54	76,1	88,9	108
pack	20	15	10	8	10	6	5	1	1	1
code	INCTU4515	INCTU4518	INCTU4522	INCTU4528	INCTU4535	INCTU4542	INCTU4554	INCTU4576	INCTU4588	INCTU45108

Elbow male threaded

Ø	3/8"-15	1/2"-15	1/2"-18	3/4"-22	1"-28	1 1/4"-35	1 1/2"-42	2"-54
pack	10	10	10	8	6	10	6	3
code	INCM815	INCM215	INCM218	INCM422	INCM1028	INCM1435	INCM1242	INCM2054

Stainless steel fittings

Stainless steel pipe nipples

■ Forged stainless steel nipples - 150 lbs (BSP)



Excluded from 2014/68/EC Directive (art. 4, §3) - For all common fluids - Material: F316 body - BSP thread acc. to ISO 7.1 - PS: 20 bar - TS: -25°C/+180°C.

2039 - Standard welding nipple



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
length (mm)	22	23	27	33	35	36	41	46	55	70	80
pack	10	10	10	10	5	5	5	5	1	1	1
code	2039002	2039003	2039004	2039005	2039006	2039007	2039008	2039009	2039010	2039011	2039012

2034 - Welding nipple - Length = 50 mm



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	10	10	10	10	5	5	5	5
code	2034002	2034003	2034004	2034005	2034006	2034007	2034008	2034009

2042 - Welding nipple - Length = 100 mm



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	10	10	10	10	5	5	5	5
code	2042002	2042003	2042004	2042005	2042006	2042007	2042008	2042009

2040 - Standard barrel nipple



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
length (mm)	40	40	60	60	60	80	80	100	120	120	120
pack	10	10	10	10	5	5	5	5	1	1	1
code	2040002	2040003	2040004	2040005	2040006	2040007	2040008	2040009	2040010	2040011	2040012

2038 - Barrel nipple length 100 mm



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	10	10	10	10	5	5	5	5
code	2038002	2038003	2038004	2038005	2038006	2038007	2038008	2038009

2041 - Barrel nipple length 200 mm



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	10	10	10	10	5	5	5	5
code	2041002	2041003	2041004	2041005	2041006	2041007	2041008	2041009

Stainless steel pipe fittings

FGinox

**Individual
packing**

Materials: 304L & 316L - Products can be sourced from several suppliers.

3.1
see p. 23

■ Metric standard

21DR/41DR - Welded bend 1,5D



Ø	18	20	23	25	28	30	33	38	43	53
thickness (mm)	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
304L code	21DR181	21DR201	21DR231	21DR251	21DR281	21DR301	21DR331	21DR381	21DR431	21DR531
316L code	41DR181	41DR201	41DR231	41DR251	41DR281	41DR301	41DR331	41DR381	41DR431	41DR531
Ø	54	63,5	70	73	84	104	129	154	204	254
thickness (mm)	2	1,5	2	1,5	2	2	2	2	2	2
304L code	21DR542	21DR631	21DR702	21DR731	21DR842	21DR1042	21DR1292	21DR1542	21DR2042	21DR2542
316L code	41DR542	41DR631	41DR702	41DR731	41DR842	41DR1042	41DR1292	41DR1542	41DR2042	41DR2542

2TSS/4TSS - Welded tee without sleeve



Ø	23	28	33	38	43	54	84	104	129	154	204
thickness (mm)	1,5	1,5	1,5	1,5	1,5	2	2	2	2	2	2
304L code	2TSS231	2TSS281	2TSS331	2TSS381	2TSS431	2TSS542	2TSS842	2TSS1042	2TSS1292	2TSS1542	2TSS2042
316L code	4TSS231	4TSS281	4TSS331	4TSS381	4TSS431	4TSS542	4TSS842	4TSS1042	4TSS1292	4TSS1542	-

2R/4R - Welded concentric reducer



Ø	44-24	44-34	54-24	54-34	54-44	64-44	64-54	69-44	69-54	74-44
thickness (mm)	2	2	2	2	2	2	2	2	2	2
304L code	2R4424	2R4434	2R5424	2R5434	2R5444	2R6444	2R6454	2R6944	2R6954	2R7444
316L code	4R4424	4R4434	4R5424	4R5434	4R5444	4R6444	4R6454	4R6944	4R6954	4R7444
Ø	74-54	74-64	84-44	84-54	84-64	84-69	84-74	104-54	104-69	104-74
thickness (mm)	2	2	2	2	2	2	2	2	2	2
304L code	2R7454	2R7464	2R8444	2R8454	2R8464	2R8469	2R8474	2R10454	2R10469	2R10474
316L code	4R7454	4R7464	4R8444	4R8454	4R8464	4R8469	4R8474	4R10454	4R10469	4R10474
Ø	104-84	129-84	129-104	154-84	154-104	154-129	204-104	204-129	204-154	254-154
thickness (mm)	2	2	2	2	2	2	2	2	2	2
304L code	2R10484	2R12984	2R129104	2R15484	2R154104	2R154129	2R204104	2R204129	2R204154	2R254154
316L code	4R10484	4R12984	4R129104	4R15484	4R154104	4R154129	4R204104	4R204129	4R204154	4R254154

2FB/4FB - Cap



Ø	28	34	38	44	51	54	64	69	74
304L code	2FB28	2FB34	2FB38	2FB44	2FB51	2FB54	2FB64	2FB69	2FB74
316L code	4FB28	4FB34	4FB38	4FB44	4FB51	4FB54	4FB64	4FB69	4FB74
Ø	84	104	129	154	204	254	304	354	
304L code	2FB84	2FB104	2FB129	2FB154	2FB204	2FB254	2FB304	2FB354	
316L code	4FB84	4FB104	4FB129	4FB154	4FB204	4FB254	4FB304	4FB354	

Stainless steel flanges

**Individual
packing**

Materials: stainless steel F304, F304L, F316 or F316L - PS: acc. to standard: 6 bar for PN6 flanges, 10 bar for PN10 flanges, etc - Products can be sourced from several suppliers.

3.1

see p. 23

■ Forged stainless steel PN6 to PN40

2BE/4BE - Pressed lap joint flanges - PN10 (DIN 2642)



DN	15	20	25	32	40	50	65	80	100	125	150	200
304L code	2BE15	2BE20	2BE25	2BE32	2BE40	2BE50	2BE65	2BE80	2BE100	2BE125	2BE150	2BE200
316L code	4BE15	4BE20	4BE25	4BE32	4BE40	4BE50	4BE65	4BE80	4BE100	4BE125	4BE150	4BE200
DN	250	300	350	400	450	500						
304L code	2BE250	2BE300	2BE350	2BE400	2BE450	2BE500						
316L code	4BE250	4BE300	4BE350	4BE400	4BE450	4BE500						

2PAS/4PAS - Plate flange for welding - Type 01/A - FF PN6



DN	15	20	25	32	40	50	65	80	100	125	150	200
304L code	2PAS615	2PAS620	2PAS625	2PAS632	2PAS640	2PAS650	2PAS665	2PAS680	2PAS6100	2PAS6125	2PAS6150	2PAS6200
316L code	4PAS615	4PAS620	4PAS625	4PAS632	4PAS640	4PAS650	4PAS665	4PAS680	4PAS6100	4PAS6125	4PAS6150	4PAS6200

2PAS/4PAS - Plate flange for welding - Type 01/A - FF PN10/40



DN	10	15	20	25	32	40	50	65	80	100	125	150
PN	10/40	10/40	10/40	10/40	10/40	10/40	10/16	10/16	10/16	10/16	10/16	10/16
304L code	2PAS10	2PAS15	2PAS20	2PAS25	2PAS32	2PAS40	2PAS50	2PAS65	2PAS80	2PAS100	2PAS125	2PAS150
316L code	4PAS10	4PAS15	4PAS20	4PAS25	4PAS32	4PAS40	4PAS50	4PAS65	4PAS80	4PAS100	4PAS125	4PAS150
DN	200	200	250	250	300	300	350	400	400	450	500	500
PN	10	16	10	16	10	16	10	10	16	10	10	16
304L code	2PAS200	2PAS16200	2PAS250	2PAS16250	2PAS300	2PAS16300	2PAS350	2PAS400	2PAS16400	2PAS450	2PAS500	2PAS16500
316L code	4PAS200	4PAS16200	4PAS250	4PAS16250	4PAS300	4PAS16300	4PAS350	4PAS400	4PAS16400	4PAS450	4PAS500	4PAS16500
DN	600	600	700									
PN	10	16	10									
304L code	2PAS600	2PAS16600	2PAS700									
316L code	4PAS600	4PAS16600	4PAS700									

2PAS/4PAS - Plate flange for welding - Type 01/A - FF PN10

Thin version, approx. 30% vs standard.



DN	200	250	300	350	400	450	500	600	700	800	900	1000
PN	10	10	10	10	10	10	10	10	10	10	10	10
304L code	2PAS200A	2PAS250A	2PAS300A	2PAS350A	2PAS400A	2PAS450A	2PAS500A	2PAS600A	2PAS700A	2PAS800A	2PAS900A	2PAS1000A
316L code	4PAS200A	4PAS250A	4PAS300A	4PAS350A	4PAS400A	4PAS450A	4PAS500A	4PAS600A	4PAS700A	4PAS800A	4PAS900A	4PAS1000A

2PAS/4PAS - Plate flange for welding - Type 01/A - FF PN25/40



DN	50	65	80	100	125	150	200	200	250	250	300	300
PN	25/40	25/40	25/40	25/40	25/40	25/40	25	40	25	40	25	40
304L code	2PAS4050	2PAS4065	2PAS4080	2PAS40100	2PAS40125	2PAS40150	2PAS25200	2PAS40200	2PAS25250	2PAS40250	2PAS25300	2PAS40300
316L code	4PAS4050	4PAS4065	4PAS4080	4PAS40100	4PAS40125	4PAS40150	4PAS25200	4PAS40200	4PAS25250	4PAS40250	4PAS25300	4PAS40300

Clamp standard fittings

HYGIENIC

catalogue 07 · Food industry · p. 205

Dimensions acc. to clamp ISO 1127, DIN 32676 & SMS 3008 standards acc. to diameter - 316L body (except fig. 2CCR: 304 body) - PS: see table below - TS: see elastomers use conditions p. 184.

3.1

see p. 23

Ø	10	12	13,5	14	16	17,2	18	21,3	22	25	26,9
standard	-	-	ISO	-	-	ISO	DIN	ISO	DIN	SMS	ISO
PS (bar)	18	18	18	18	18	18	18	18	18	18	18
Ø	28	33,7	38	42,4	48,3	51	60,3	63,5	76	85	88,9
standard	DIN	ISO	SMS	ISO	ISO	SMS	ISO	SMS	SMS	DIN	ISO
PS (bar)	18	18	18	18	17	17	13	13	9	8	8
Ø	104	114,3	129	139,7	154	168,3	204	219,1	273		
standard	DIN	ISO	DIN	ISO	DIN	ISO	DIN	ISO	ISO		
PS (bar)	8	8	5	5	5	5	3	3	3		

■ Clamp unions

4CLAMP - Micro clamp 3 piece union

EPDM gasket - Total length: 42 mm - Clamp flange 25 mm - TS: -30°C/+125°C.

Ø	10	12	13,5	16	17,2
316L code	4CLAMP10M	4CLAMP12M	4CLAMP13M	4CLAMP16M	4CLAMP17M

4CLAMP - Mini clamp 3 piece union

EPDM gasket - Total length: 32 mm up to Ø18, 59 mm above - Clamp flange 34 mm - TS: -30°C/+125°C.

Ø	12	13,5	14	16	17,2	18	21	22
316L code	4CLAMP12	4CLAMP13	4CLAMP14	4CLAMP16	4CLAMP17	4CLAMP18	4CLAMP21	4CLAMP22

4CLAMP - Clamp 3 piece union

EPDM gasket - TS: -30°C/+125°C.

Ø	25	26,9	28	33,7	38	42,4	48,3	51	60,3	63,5	76
316L code	4CLAMP25	4CLAMP26	4CLAMP28	4CLAMP33	4CLAMP38	4CLAMP42	4CLAMP48	4CLAMP51	4CLAMP60	4CLAMP63	4CLAMP76
Ø	85	88,9	104	114,3	129	139,7	154	168,3	204	219,1	273
316L code	4CLAMP85	4CLAMP88	4CLAMP104	4CLAMP114	4CLAMP129	4CLAMP139	4CLAMP154	4CLAMP168	4CLAMP204	4CLAMP219	4CLAMP273

2CCR - Heavy duty clamp ring

Pipe Ø	10-17	12-22	25-42,4	48,3-51	60,3-63,5	76	85-88,9	104	114,3
Flange	25*	34**	50,5	64	77,5	91	106	119	132
304 code	2CCR25	2CCR34	2CCR50	2CCR64	2CCR77	2CCR91	2CCR106	2CCR119	2CCR132
Pipe Ø	129-139,7	154-168,3	204-219,1						
Flange	155	183	233,5						
304 code	2CCR155	2CCR183	2CCR233						

*Micro heavy duty clamp. **Mini heavy duty clamp.

4CCT - Micro clamp ferrule

Ø	10	12	13,5	16	17,2
A	25	25	25	25	25
316L code	4CCT10M	4CCT12M	4CCT13M	4CCT16M	4CCT17M

4CCT - Mini clamp ferrule

Ø	12	13,5	14	16	17,2	18	21	22
A	34	34	34	34	34	34	34	34
316L code	4CCT12	4CCT13	4CCT14	4CCT16	4CCT17	4CCT18	4CCT21	4CCT22

4CCT - Clamp ferrule

Ø	25	26,9	28	33,7	38	42,4	48,3	51	60,3
A	50,5	50,5	50,5	50,5	50,5	50,5	64	64	77,5
316L code	4CCT25	4CCT26	4CCT28	4CCT33	4CCT38	4CCT42	4CCT48	4CCT51	4CCT60
Ø	63,5	76	85	88,9	101,6	104	114,3	129	139,7
A	77,5	91	106	106	119	119	132	155	155
316L code	4CCT63	4CCT76	4CCT85	4CCT88	4CCT101	4CCT104	4CCT114	4CCT129	4CCT139
Ø	154	168,3	204	219,1	273				
A	183	183	233,5	233,5	319				
316L code	4CCT154	4CCT168	4CCT204	4CCT219	4CCT273				

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