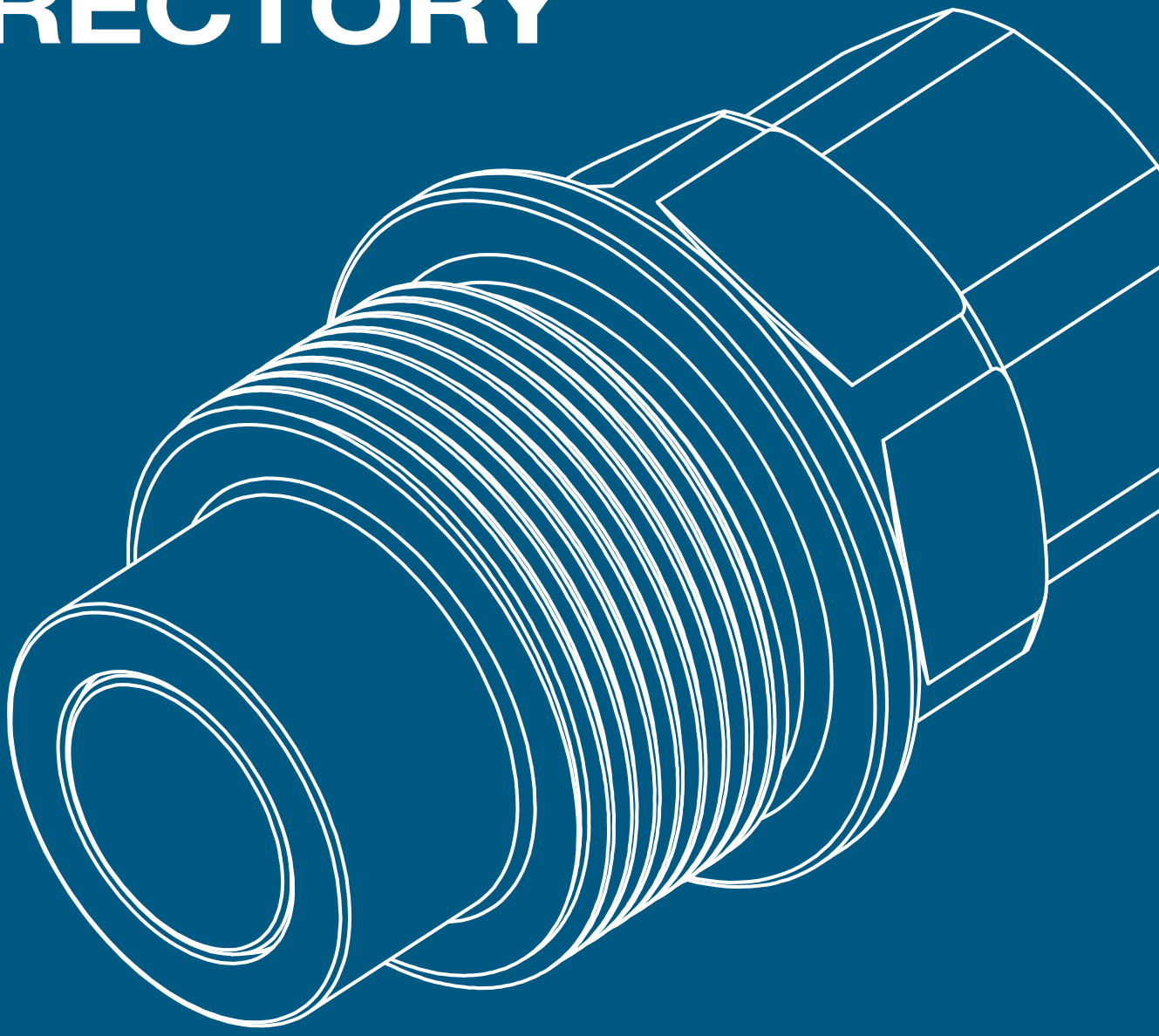


Stucchi®

DIRECTORY



FCP

a constant flow of solutions

A constant flow of solutions

Experts in quick couplings since 1960

Being an Italian family-owned company, present today worldwide with branches (USA, China, Australia, Brazil and India) and distributors, Stucchi S.p.A. maintains its commitment to offer high quality, safe and reliable products.

The complete production process takes place in Northern Italy (Bergamo) and is certified with UNI EN ISO 9001 quality-management system.

This certification means a high level of product quality throughout the company's supply chain: beginning with raw materials certifications, ongoing improvements in production materials, production automation, and fatigue and pressure testing.

The service is completed by a punctual shipping department and a helpful after sales service.

In addition, Stucchi S.p.A. is also committed in providing its workers a safe and healthy workplace (as certified by BS OHSAS 18001:2007) as much as it is engaged in complying with international environmental management systems certification ISO 14001:2015.







Earth Moving

Stucchi couplings are suitable for machines and systems related with controlling mobile equipment used in off-highway applications.

Oil &Gas

In exploration, extraction, field services (upstream), storage and conveyance (downstream) of crude oil and natural gas Stucchi products are the best solutions.

Vehicles

Vehicle manufacturers appreciate Stucchi couplings for their high performances in hydraulic applications systems to connect different tools or trailers.

Agriculture

From conventional 'poppet design' profile to flat face and multicouplings, Stucchi products are present on agricultural machines and attachments.

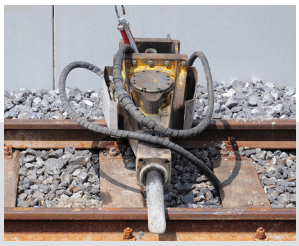
Industry

Stucchi couplings are present on machineries and systems used for industrial manufacturing.



Stucchi is a leading manufacturer of quick couplings, multicouplings plates and quick connect solutions

The recognised main strengths of the company are **flexibility** in the supply of standard products and the ability to develop **customised solutions**, able to satisfy partner's needs, adding value to their projects in terms of performance, safety, ease of use and environmental **sustainability**.







Hydraulic Tools

Machineries and systems related to various hydraulic equipment (machine and automation tools, powered hand tools) require high performance couplings and Stucchi can provide them.

High Pressure

Stucchi couplings are present on systems associated with high pressure applications; not only on jacks, ram or clamping devices but also on rescue equipment.

Refrigeration

Stucchi quick couplings are equipped on systems associated with vehicles refrigeration (A/C recharge) and isothermal bodies through low temperature eutectic plates.

Cooling

Machineries for cooling of systems with water or water glycol can be equipped with Stucchi quick couplings.

Chemical & Food Industry

Stucchi couplings are used in chemical applications where flow performances associated with non-spill design allows to increase system specifications and to protect the environment.

FLAT FACE



FIRG

Valving style: Flat face
Interchange: ISO 16028
Sealing description: Nitrile NBR
Available sizes: From 1/4” to 2”
Operating pressure: Up to 300 bar
Flow rate: Up to 1000 l/min
Material / Treatment:
Carbon steel / Cr3



A

Valving style: Flat face
Interchange: ISO 16028
Sealing description: Nitrile NBR
Available sizes: From 1/8” to 1-1/2”
Operating pressure: Up to 420 bar
Flow rate: Up to 750 l/min
Material / Treatment:
Carbon steel / Cr3



APM

Valving style: Flat face
Interchange: ISO 16028
Sealing description: Nitrile NBR
Available sizes: From 3/8” to 1-1/2”
Operating pressure: Up to 350 bar
Flow rate: Up to 750 l/min
Material / Treatment:
Carbon steel / Cr3
Connection under pressure: Allowed



A-HD

Valving style: Flat face
Interchange: ISO 16028
Sealing description: Nitrile NBR
Available sizes: From 3/8” to 1/2”
Operating pressure: Up to 350 bar
Flow rate: Up to 90 l/min
Material / Treatment:
Carbon steel / Cr3
Connection under pressure: Allowed



AX

Valving style: Flat face
Interchange: ISO 16028
Sealing description: FKM (Viton®)
Available sizes: From 1/4” to 1”
Operating pressure: Up to 350 bar
Flow rate: Up to 378 l/min
Material / Treatment:
Stainless steel (AISI 316L)



FIRG-Q

Valving style: Flat face
Interchange: ISO 16028
Sealing description:
Nitrile NBR-FKM(Viton®)-EPDM-Kalrez®
Available sizes: From 1/4” to 2”
Operating pressure: Up to 300 bar
Flow rate: Up to 1000 l/min
Material / Treatment:
Internal parts in stainless steel / QPQ



FL

Valving style: Flat face
Interchange: ISO 16028
Sealing description: FKM (Viton®)
Available sizes: From 1/8” to 2”
Operating pressure: Up to 350 bar
Flow rate: Up to 1000 l/min
Material / Treatment:
Stainless steel (AISI 316L)

CASTING



SATURN 3

Valving style: Flat face
Interchange: ISO 16028
Sealing description: Nitrile NBR
Available sizes: From 1/2’’ to 3/4’’
Operating pressure: Up to 350 bar
Flow rate: Up to 200 l/min
Material / Treatment:
Carbon steel / Cr3
Connection under pressure: Allowed



SATURN 5

Valving style: Flat face
Interchange: ISO 16028
Sealing: Nitrile NBR
Sizes: From 1/2” to 3/4”
Operating pressure: Up to 350 bar
Flow rate: Up to 200 l/min
Material / Treatment: Carbon steel / Cr3
Connection under pressure: One side

Easy Connection Under Pressure is the Stucchi solution for manual connection with residual pressure in the circuit. The male couplings have a triple valve system that allows the easy connection of couplings with internal residual pressure, in safe condition and without fluid loss.

Blow Out Prevention
Specific dimensions are fire tested and Lloyd certified in accordance with API 16D and the EUB Directive #36. For complete technical information please contact Stucchi technical support.

WARNING

A defect, a wrong choice or an improper use of products, can cause injury to persons, animals and objects. Connect under pressure products are suitable to be connected under residual (static) pressure. Never connect or disconnect with dynamic pressure (e.g. pump on). Make sure that the medium used is compatible with seal and material as indicated for each series. In case of doubt please contact Stucchi Technical Support. The interchangeability is mentioned under the assumption that the manufacturer of the considered products has not changed any dimension.
It is MANDATORY to read and closely follow the instructions.
Last updated version always apply at time of installation, see latest written Instructions on Stucchi website (www.stucchigroup.com) before selecting or using Stucchi products.

FLAT FACE SCREW



VEP-P

Valving style: Flat face
Interchange: Stucchi profile
Sealing description: Nitrile NBR
Available sizes: From 1/4” to 2”
Operating pressure: Up to 600 bar
Flow rate: Up to 1000 l/min
Material / Treatment:
Carbon steel / Cr3+QPQ
Connection under pressure: Allowed



VEP-HD

Valving style: Flat face
Interchange: Stucchi profile
Sealing description: Nitrile NBR
Available sizes: From 3/4” to 1-1/2”
Operating pressure: Up to 500 bar
Flow rate: Up to 750 l/min
Material / Treatment:
Carbon steel / QPQ
Connection under pressure: Allowed



VP-P

Valving style: Flat face
Interchange: Stucchi profile
Sealing description: Nitrile NBR
Available sizes: From 1/4” to 1-1/2”
Operating pressure: Up to 600 bar
Flow rate: Up to 750 l/min
Material / Treatment:
Carbon steel / Cr3+QPQ
Connection under pressure: Allowed



VT ROT-LOCK®

Valving style: Flat face
Interchange: Stucchi profile
Sealing description: Nitrile NBR
Available sizes: From 3/4” to 1”
Operating pressure: Up to 500 bar
Flow rate: Up to 378 l/min
Material / Treatment:
Zn-Ni
Connection under pressure: Allowed

MULTICOUPLINGS



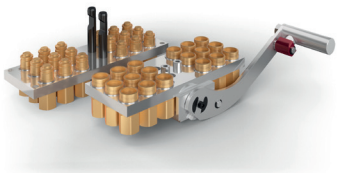
DP

Valving style: Flat face
Interchange: Stucchi profile
Sealing description: Nitrile NBR
Available sizes: From 3/8” to 3/4”
Operating pressure: Up to 350 bar
Flow rate: Up to 378 l/min
Material: Aluminium & carbon steel
Connection under pressure: Allowed



GR

Valving style: Flat face
Interchange: Stucchi profile
Sealing description: Nitrile NBR
Available sizes: From 3/8” to 1”
Operating pressure: Up to 350 bar
Flow rate: Up to 378 l/min
Material: Brass & carbon steel
Connection under pressure: Allowed



GRE

Valving style: Flat face
Interchange: Stucchi profile
Sealing description: Nitrile NBR
Available sizes: From 3/8” to 1/2”
Operating pressure: Up to 10 bar
Flow rate: Up to 90 l/min
Material: Aluminium & brass

SWIVEL JOINTS



SJ

Sealing discription: Nitrile NBR
Available sizes: From 1/4” to 2-1/2”
Operating pressure: Up to 400 bar
Port configuration: Straight & 90 degree
Material / Treatment: Carbon steel / Cr3

CHECK VALVE



VUZ

Available sizes: From 1/8” to 2”
Operating pressure: Up to 400 bar
Flow rate: Up to 1000 l/min
Material / Treatment:
Carbon steel / Cr3



VUX

Available sizes: From 1/8” to 2”
Operating pressure: Up to 400 bar
Flow rate: Up to 1000 l/min
Material / Treatment: Stainless steel
(AISI 316L)

POPPET SCREW



VD

Valving style: Poppet
Interchange: ISO 14541
Sealing description: Nitrile NBR
Available sizes: From 1/4” to 1-1/4”
Operating pressure: Up to 450 bar
Flow rate: Up to 378 l/min
Material / Treatment:
Carbon steel / Cr3
Connection under pressure:
Allowed



30

Valving style: Poppet
Interchange: ISO 14541
Sealing description: SKM (Viton®)
Available sizes: 1/4” to 1-1/4”
Operating pressure: Up to 450 bar
Flow rate: Up to 189l/min
Material / Treatment:
Stainless steel (AISI 316L)
Connect under pressure: Allowed



VOF

Valving style: Poppet
Interchange: With similar couplings
Sealing description: Nitrile NBR
Available sizes: From 3/4” to 2”
Operating pressure: Up to 345 bar
Flow rate: Up to 1100 l/min
Material / Treatment:
Carbon steel / Cr3
Connection under pressure: Allowed



VOFX

Valving style: Poppet
Interchange: With similar couplings
Sealing description: Nitrile NBR
Available sizes: From 3/4” to 2”
Operating pressure: Up to 207 bar
Flow rate: Up to 1100 l/min
Material / Treatment:
Stainless steel (AISI 316L)
Connection under pressure: Allowed

HIGH PRESSURE



VR

Valving style: Flat face
Interchange: With similar couplings (Rohrleitung)
Sealing description: Nitrile NBR
Available sizes: From 3/8” to 1-1/4”
Operating pressure: Up to 420 bar
Flow rate: Up to 576 l/min
Material / Treatment:
Carbon steel / Cr3
Connection under pressure: Allowed



40

Valving style: Poppet
Interchange: With similar couplings
Sealing description: SKM (Viton®)
Available sizes: 1/4” to 2”
Operating pressure: Up to 650 bar
Flow rate: Up to 189l/min
Material / Treatment:
Stainless steel (AISI 316L)
Connect under pressure: Allowed



A-HP

Valving style: Flat Face
Interchange: Stucchi profile
Sealing description: Nitrile NBR
Available sizes: From 1/8” to 3/8”
Operating pressure: Up to 720 bar
Flow rate: Up to 46 l/min
Material / Treatment:
Carbon steel / Cr3



IV-HP

Valving style: Ball
Interchange: With similar couplings (high pressure)
Sealing description: Nitrile NBR
Available sizes: From 1/4” to 3/8”
Operating pressure: Up to 700 bar
Flow rate: Up to 23 l/min
Material / Treatment:
Carbon steel / Cr3

SUREGRIPS



GRIP

Available sizes: From 3/8” to 1”
Material / Treatment:
Anodised aluminium
Number of available colours: 10
Thread style: BSP, NPT, UNO, Metric

BALL VALVES



FB

Available sizes: From 1-1/4” to 2”
Operating pressure: Up to 350 bar
Material / Treatment: Carbon steel & Stainless steel (AISI 316L)
Port configuration: 2 & 3 way, L & T port



FE

Available sizes: From 1/4” to 1”
Operating pressure: Up to 400 bar
Material / Treatment: Carbon steel & Stainless steel (AISI 316L)
Port configuration: 2 & 3 way, L & T port

FLOW CONTROLLERS



FVG / FVG-R

Available sizes: From 1/8” to 1”
Operating pressure: Up to 400 bar
Material / Treatment: Carbon steel
Handle material: Aluminium
Sealing description: Nitrile NBR
FVG: Without check
FVG-R: With check

POPPET



BIR

Valving style: Poppet
Interchange: ISO 7241 'A'
Sealing description: Nitrile NBR
Available sizes: From 1/4" to 2"
Operating pressure: Up to 350 bar
Flow rate: Up to 1000 l/min
Material / Treatment:
Carbon steel / Cr3
Connection under pressure:
Allowed (only PC version)



I/IP

Valving style: Poppet
Interchange: ISO 7241 'A'
Sealing description: Nitrile NBR
Available sizes: From 1/4" to 1"
Operating pressure: Up to 350 bar
Flow rate: Up to 200 l/min
Material / Treatment:
Carbon steel / Cr3



IR

Valving style: Ball
Interchange: ISO 7241 'A' (only 1/2")
Sealing description: Nitrile NBR
Available sizes: From 1/4" to 1"
Operating pressure: Up to 300 bar
Flow rate: Up to 150 l/min
Material / Treatment:
Carbon steel / Cr3



IR-V

Valving style: Poppet
Interchange:
With similar couplings IR Series
Sealing description: Nitrile NBR
Available sizes: From 1/4" to 1"
Operating pressure: Up to 300 bar
Flow rate: Up to 200 l/min
Material / Treatment:
Carbon steel / Cr3



IRB

Valving style: Poppet
Interchange: ISO 7241 'B'
Sealing description: Nitrile NBR
Available sizes: From 1/8" to 1"
Operating pressure: Up to 350 bar
Flow rate: Up to 200 l/min
Material / Treatment:
Carbon steel / Cr3



IRBO

Valving style: Poppet
Interchange: ISO 7241 'B'
Sealing description: FKM (Viton®)
Available sizes: From 1/8" to 1"
Operating pressure: Up to 200 bar
Flow rate: Up to 200 l/min
Material / Treatment: Brass



IRBX

Valving style: Poppet
Interchange: ISO 7241 'B'
Sealing description: FKM (Viton®)
Available sizes: From 1/8" to 1"
Operating pressure: Up to 250 bar
Flow rate: Up to 200 l/min
Material / Treatment:
Stainless steel (AISI 316L) & brass



IFR

Valving style: Flat face
Interchange: ISO 5676
Sealing description: Nitrile NBR
Available sizes: 3/8"
Operating pressure: Up to 150 bar
Flow rate: Up to 23 l/min
Material / Treatment:
High strength carbon steel



IRC

Valving style: Poppet
Interchange: Nordic interface
Sealing description: Nitrile NBR
Available sizes: From 1/4" to 1"
Operating pressure: Up to 600 bar
Flow rate: Up to 378 l/min
Material / Treatment:
Carbon steel / Zn-Ni
Connection under pressure:
Allowed (only PC version)



IRCX

Valving style: Poppet
Interchange: Nordic interface
Sealing description: FKM (Viton®)
Available sizes: From 1/4" to 1"
Operating pressure: Up to 300 bar
Flow rate: Up to 378 l/min
Material / Treatment:
Stainless steel (AISI 316L)



IRN

Valve Style: Poppet
Interchange: With similar coupling
Sealing description: Nitrile NBR
Available Sizes: 1-1/4"
Operating pressure: Up to 300 bar
Flow rate: Up to 200 l/min
Material / Treatment: Cr3

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FCP

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