Stucchi®



Stucchi Quick Couplings

A constant flow of solutions

STUCCHI IN THE WORLD

ITALY - USA - CHINA - AUSTRALIA - BRAZIL - SOUTH AFRICA - INDIA

A constant flow of solutions

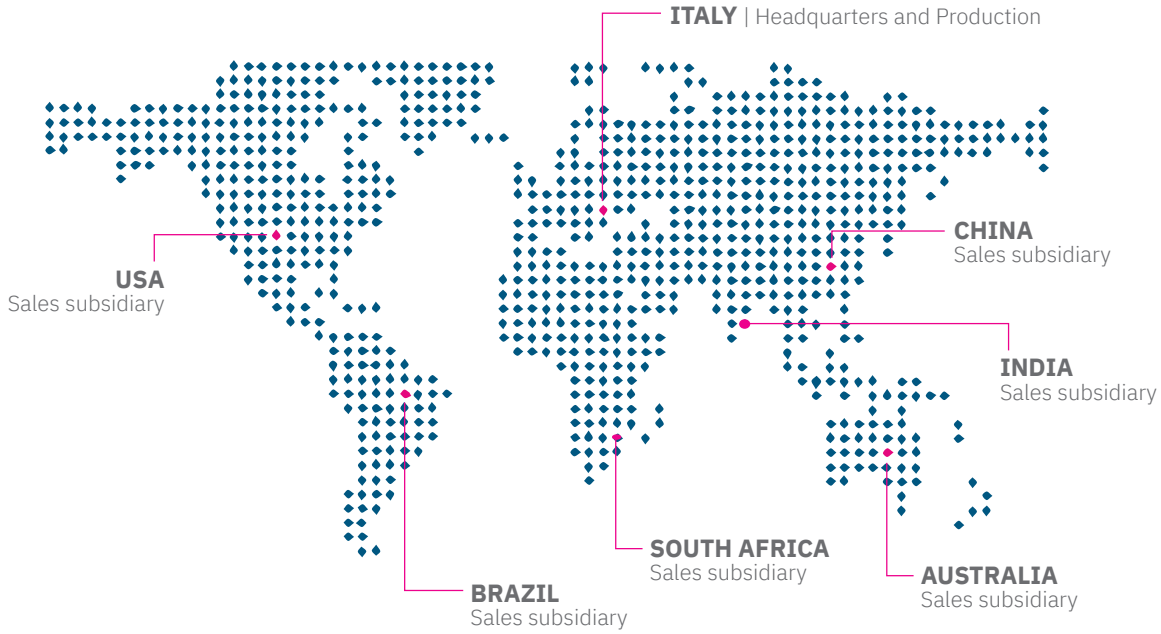
Experts in quick couplings since 1960

The offer of Stucchi quick couplings allows us to meet the different needs of producers and end users, guaranteeing in any case the Stucchi certified quality.

Stucchi products, capable of operating up to pressures of 700 bar, are designed to cover a wide range of applications thanks to the use of different types of materials, different sizes (from 1/8” to 2-1/2”) and configurations (BSP, NPT, SAE, METRIC, etc.).

In addition to the products in the catalog, Stucchi also offers its customers an advanced Technical-Commercial support: thanks to its skills and a customer-oriented discovery approach, many manufacturers choose Stucchi for the conception, design and development of specific and customized solutions.

Stucchi in the world









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.

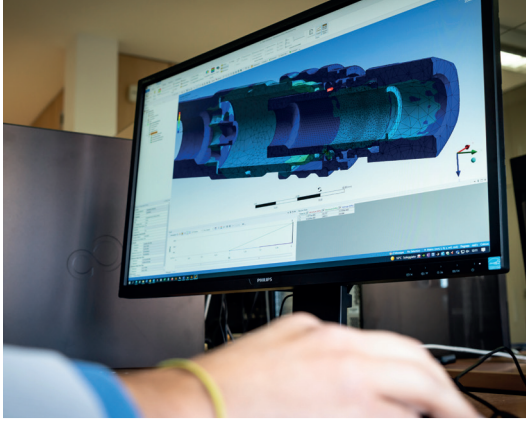
Agriculture

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.



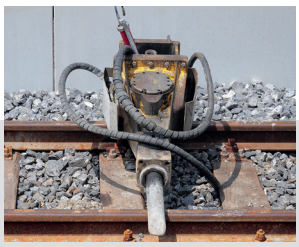







Stucchi is a leading manufacturer of quick couplings, multicouplings plates and quick connect solutions

- Specialized in quick couplings
- We listen to the needs of our customers
- Full range of products and interchangeability
- We design and test innovative solutions in-house
- We have a dedicated stock
- Diversified services for our clients
- Our products are suitable for many areas of applications
- Safety and respect for the environment first







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 (ZnNi)



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:
Nitrile NBR-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

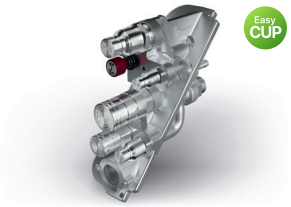
Valving style: Flat face
Interchange: ISO 16028
Sealing description: FKM (Viton®)
Available sizes: From 1/8” to 2”
Operating pressure: Up to 350 bar
Flow rate: Up to 1000 l/min
Material / Treatment:
Stainless steel (AISI 316L)

CASTING



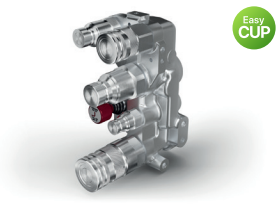
SATURN 3

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 NEW

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



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

FLAT FACE SCREW



VT *RoT-lock*

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



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 (ZnNi)
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

MULTICOUPLINGS



DP

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: 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

HIGH PRESSURE



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

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 & 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 / Cr3
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)

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



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



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

SWIVEL JOINTS



GD

Sealing description: Nitrile NBR
Available sizes: From 1/4” to 2-1/2”
Operating pressure: Up to 400 bar
Material / Treatment:
Carbons steel / Cr3



G90

Sealing description: Nitrile NBR
Available sizes: From 1/4” to 2-1/2”
Operating pressure: Up to 400 bar
Material / Treatment:
Carbons 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

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.

Stucchi S.p.A.
Headquarters

Via della Lira Italiana, 397
24040 Pagazzano (BG) Italy

stucchigroup.com

Stucchi®

Stucchi USA inc.
1105 Windham Parkway,
Romeoville
IL 60446 USA
stucchiusa.com

Stucchi (Shanghai)
Fluid Power Technology Co., Ltd
No. 5, Lane 3500, Xiupu Road
Kangqiao Industrial Park
Pudong New District
201315 Pudong Shanghai, China
stucchichina.com

Stucchi FCP Pty Ltd.
8/7-11 Rodeo Drive
Dandenong South
VIC 3175 Australia
stucchiaustralia.com

Unit3, 22 Strathwyn Street
Brendale,
QLD 4500 Australia

Unit 3, 31-33 Capital Road
Malaga
WA 6090 Australia

Stucchi Engates Hidraulicos Ltda.
Rua Júlio Ribeiro, 865
Bairro Vila Santana
CEP: 18080-690
Sorocaba - SP, Brazil
stucchigroup.com/br-pt

Stucchi South Africa (Pty) Ltd.
49, Mopedi Rd, Sebenza
Edenvale Po Box 8253
Edenglen 1613, South Africa
stucchigroup.com

Stucchi India Pvt Ltd.
5th Floor, Brigade Triumph Commercial
45,5, Dasarahalli Main Road, Sector B
Byatarayanapura CMC and OG part,
Hebbal, Bengaluru - Karnataka-560024, India
stucchigroup.com

For complete technical information see www.stucchigroup.com

STUCCHI S.p.A. All right reserved. April 2025 - **STUCCHI PRODUCTS BROCHURE_EN - 899900070**