



Stucchi®

QUICK COUPLINGS

DIRECTORY



a constant flow of solutions

The strength that distinguishes Stucchi in the market is a “constant flow of solutions” in the development, manufacturing and distribution of products for fluid connections.

The vision that drives us towards the future is to be recognized by our customers as the supplier of choice for fluid power products and solutions that are easy to use, safe, durable, environmentally friendly and that help in saving energy. Following these principles Stucchi offers solutions that cover a wide range of applications constantly ensuring the quality of products.



Oil&Gas

Stucchi couplings are used in exploration, extraction, field services (upstream), storage and conveyance (downstream) of crude oil and natural gas.



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 and applications.



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.



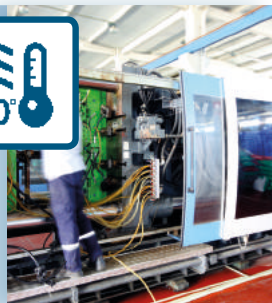
Earth Moving

Stucchi couplings are suitable for systems and products related with controlling mobile equipment used in off-highway applications. Stucchi products have been successfully proven for years in heavy duty applications and in connect under pressure conditions.



Cooling

Stucchi couplings are used on machineries for cooling of systems with water or water glycol.



Hydraulic tools

Stucchi couplings are suitable for machineries and systems related to various hydraulic equipment, such as machine tools and automation, measurement and control and for powered hand tools.



Refrigeration

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



Vehicles

Stucchi couplings are present on vehicles hydraulic applications systems, to connect different tools or trailers. Stucchi products are particularly appreciated by body manufacturers for their high performances and for their ability to withstand heavy duty applications.



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.





ISO 9001



ISO 14001



OHSAS 18001



Since 1960, Stucchi is one of the leading manufacturers of quick disconnect couplings for all varieties of sizes and port configurations, ranging from 1/8" to 2" in dimensions to accommodate a wide range of application requirements.

Pressure capabilities extend to 720 bar working pressure; port configurations include BSP, NPT, SAE and metric standard in stock; materials range from brass to 316 stainless steel; and there is also an assortment of seal options.



Its solutions-based approach meets the demanding requirements for applications across multiple markets.

Product quality assurance is documented throughout the company's supply chain, beginning with raw materials certifications, ongoing improvements in production materials, automation of production, fatigue testing, pressure-testing parts prior to shipping, and an ISO quality-management system.





ISO16028

FIRG SERIES



Valving style: **Flat face**
 Interchange: **ISO 16028 and NFPA T3.20.15 HTMA (size 3/8")**
 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**
 Connection system: **Push**
 Connection under pressure:
Not allowed

A SERIES



Valving style: **Flat face**
 Interchange: **ISO 16028 and NFPA T3.20.15 HTMA (size 3/8")**
 Available sizes:
From 1/8" to 1-1/2"
 Configuration: **Modular construction**
 Operating pressure:
Up to 420 bar
 Flow rate: **Up to 750 L/Min**
 Material/treatment: **Carbon steel/Cr3 (Zi-Ni version available)**
 Connection system: **Push**
 Connection under pressure:
Not allowed

FIRG-Q SERIES



Valving style: **Flat face**
 Interchange: **ISO 16028 and NFPA T3.20.15 HTMA (size 3/8")**
 Available sizes:
From 1/4" to 2"
 Operating pressure:
Up to 300 bar
 Flow rate: **Up to 1000 L/Min**
 Material/treatment:
Carbon steel+AISI/QPQ
 Connection system: **Push**
 Connection under pressure:
Not allowed

FL SERIES



Valving style: **Flat face**
 Interchange: **ISO 16028 and NFPA T3.20.15 HTMA (size 3/8")**
 Available sizes:
From 1/8" to 2"
 Operating pressure:
Up to 350 bar
 Flow rate: **Up to 1000 L/Min**
 Material: **Stainless steel (AISI 316L)**
 Connection system: **Push**
 Connection under pressure:
Not allowed

AX SERIES



Valving style: **Flat face**
 Interchange: **ISO 16028 and NFPA T3.20.15 HTMA (size 3/8")**
 Available sizes:
From 1/4" to 1"
 Configuration: **Modular construction**
 Operating pressure:
Up to 350 bar
 Flow rate: **Up to 378 L/Min**
 Material: **Stainless steel (AISI 316L)**
 Connection system: **Push**
 Connection under pressure:
Not allowed

APM SERIES



Valving style: **Flat face**
 Interchange: **ISO 16028 and NFPA T3.20.15 HTMA (size 3/8")**
 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 system: **Push**
 Connection under pressure:
Male side, other side to drain

A-HD SERIES



Valving style: **Flat face**
 Interchange: **ISO 16028 and NFPA T3.20.15 HTMA (size 3/8")**
 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 system: **Push**
 Connection under pressure:
Female side, other side to drain

SATURN SERIES



Valving style: **Flat face**
 Interchange: **ISO 16028 (for the couplings)**
 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 system: **Push**
 Connection under pressure:
One side + disconnection allowed (using Knob)

STUCCHI SOLUTIONS

VEP-P SERIES



Valving style: **Flat face**
 Interchange: **Stucchi profile**
 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 system: **Screw**
 Connection under pressure:
Both side, easy connection + disconnection allowed



VEP-HD SERIES



Valving style: **Flat face**
 Interchange: **Stucchi profile**
 Available sizes: **From 3/4" to 1-1/2"**
 Operating pressure: **Up to 550 bar**
 Flow rate: **Up to 750 L/Min**
 Material: **Carbon steel/QPQ**
 Connection system: **Screw**
 Connection under pressure:
Both side, easy connection + disconnection allowed



VP-P SERIES



Valving style: **Flat face**
 Interchange: **Stucchi profile**
 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 system: **Screw**
 Connection under pressure:
Both side, easy connection + disconnection allowed



MULTICOUPLINGS

DP SERIES



Valving style: **Flat face**
 Interchange: **Stucchi interface**
 Available sizes: **From 3/8" to 3/4"**
 Operating pressure: **Up to 350 bar**
 Flow rate: **Up to 378 L/Min**
 Material: **Aluminium & high strength carbon steel**
 Connection system: **Lever**
 Connection under pressure:
Both side, easy connection



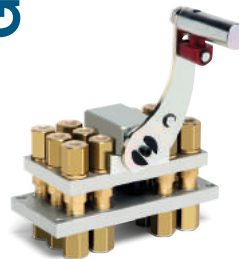
GR SERIES



Valving style: **Flat face**
 Interchange: **Stucchi interface**
 Available sizes: **From 3/8" to 1"**
 Operating pressure: **Up to 350 bar**
 Flow rate: **Up to 378 L/Min**
 Material: **Brass & high strength carbon steel**
 Connection system: **Lever**
 Connection under pressure:
Both side, easy connection



GRE SERIES



Valving style: **Flat face**
 Interchange: **Stucchi interface**
 Available sizes: **From 3/8" to 1/2"**
 Operating pressure: **Up to 10 bar**
 Flow rate: **Up to 90 L/Min**
 Material: **Aluminium & brass**
 Connection system: **Lever**

HIGH PRESSURE

A-HP SERIES



Valving style: **Flat face**
 Interchange: **Stucchi profile**
 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**
 Connection system: **Push**
 Connection under pressure:
Not allowed

IV-HP SERIES



Valving style: **Ball**
 Interchange: **Similar Couplings (High Pressure)**
 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**
 Connection system: **Screw**
 Connection under pressure:
Not allowed



ISO B

IRB SERIES



Valving style: **Poppet**
Interchange: **ISO 7241-1 "B"**
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**
Connection system:
Single acting sleeve
Connection under pressure:
Not allowed

IRBX SERIES



Valving style: **Poppet**
Interchange: **ISO 7241-1 "B"**
Available sizes: **From 1/8" to 1"**
Operating pressure: **Up to 250 bar**
Flow rate: **Up to 200 L/Min**
Material: **Stainless steel (AISI 316L)**
Retainer in brass
Connection system:
Single acting sleeve
Connection under pressure:
Not allowed

IRBO SERIES



Valving style: **Poppet**
Interchange: **ISO 7241-1 "B"**
Available sizes: **From 1/8" to 1"**
Operating pressure: **Up to 200 bar**
Flow rate: **Up to 200 L/Min**
Material: **Brass**
Connection system:
Single acting sleeve
Connection under pressure:
Not allowed

ISO A

BIR SERIES



Valving style: **Poppet**
Interchange: **ISO 7241-1 "A"**
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 system:
Single acting sleeve
Connection under pressure:
One side with PC version

I/IP SERIES



Valving style: **Poppet**
Interchange: **ISO 7241-1 "A"**
Available sizes: **From 1/4" to 1"**
Configuration: **Modular construction**
Operating pressure: **Up to 350 bar**
Flow rate: **Up to 200 L/Min**
Material/treatment: **Carbon steel/Cr3**
Connection system: **Push-pull**
Connection under pressure:
Not allowed

IR/IR-V SERIES



Valving style: **Ball/Poppet**
Interchange: **Similar couplings + IR V + ISO 7241-1 "A" size 1/2" only**
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**
Connection system:
Single active sleeve
Connection under pressure:
Not allowed

CHECK VALVES

VUZ SERIES



Valving style: **Check valves**
Available sizes: **From 1/8" to 2"**
Operating pressure: **Up to 400 bar**
Standard cracking pressure:
Up to 4,5 bar
Flow rate: **Up to 1000 L/Min**
Material: **High strength carbon steel**

VEHICLE A/C

ACR-ACB SERIES



Valving style: **Poppet**
Interchange: **SAE J639**
Available sizes: **1/4"**
Operating pressure: **Up to 41 bar**
Material: **Brass/Aluminum**
Connection system: **Push - screw**
Connection under pressure:
Not allowed



OTHER INTERCHANGES

VD SERIES



Valving style: **Poppet**
 Interchange: **ISO14541**
 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 system: **Screw**
 Connection under pressure: **One side**

VLS SERIES



Valving style: **Poppet**
 Interchange: **Similar Couplings**
 Available sizes: **From 1/2" to 1"**
 Operating pressure: **Up to 465 bar**
 Flow rate: **Up to 200 L/Min**
 Material/treatment: **Carbon steel/Cr3**
 Connection system: **Screw**
 Connection under pressure: **One side**

VOF SERIES



Valving style: **Poppet**
 Interchange: **Similar Couplings (Oil & Gas)**
 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 system: **Screw**
 Connection under pressure: **One side**

VOFX SERIES



Valving style: **Poppet**
 Interchange: **Similar Couplings (Oil & Gas)**
 Available sizes: **From 3/4" to 2"**
 Operating pressure: **Up to 207 bar**
 Flow rate: **Up to 1100 L/Min**
 Material: **Stainless steel (AISI 316L)**
 Connection system: **Screw**
 Connection under pressure: **One side**

IRC SERIES



Valving style: **Poppet**
 Interchange: **similar couplings (Nordic interface)**
 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 system: **Single acting sleeve**
 Connection under pressure: **One side with PC version**

IRCCX SERIES



Valving style: **Poppet**
 Interchange: **With similar product (Nordic interface)**
 Available sizes: **From 1/4" to 1"**
 Operating pressure: **Up to 300 bar**
 Flow rate: **Up to 378 L/Min**
 Material: **Stainless steel (AISI 316L)**
 Connection system: **Single acting sleeve**
 Connection under pressure: **Not allowed**

VR SERIES



Valving style: **Flat face limited spill**
 Interchange: **Similar Couplings (Rohrleitung)**
 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 system: **Screw**
 Connection under pressure: **One side**

IFR SERIES



Valving style: **Flat face**
 Interchange: **ISO 5676**
 Available sizes: **3/8"**
 Operating pressure: **Up to 150 bar**
 Flow rate: **Up to 46 L/Min**
 Material/treatment: **Carbon steel/Cr3**
 Connection system: **Single acting sleeve**
 Connection under pressure: **Not allowed**



'Easy connection' 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.



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.stucchi.it) before selecting or using Stucchi products.

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