

Stucchi®

Solutions for Construction applications

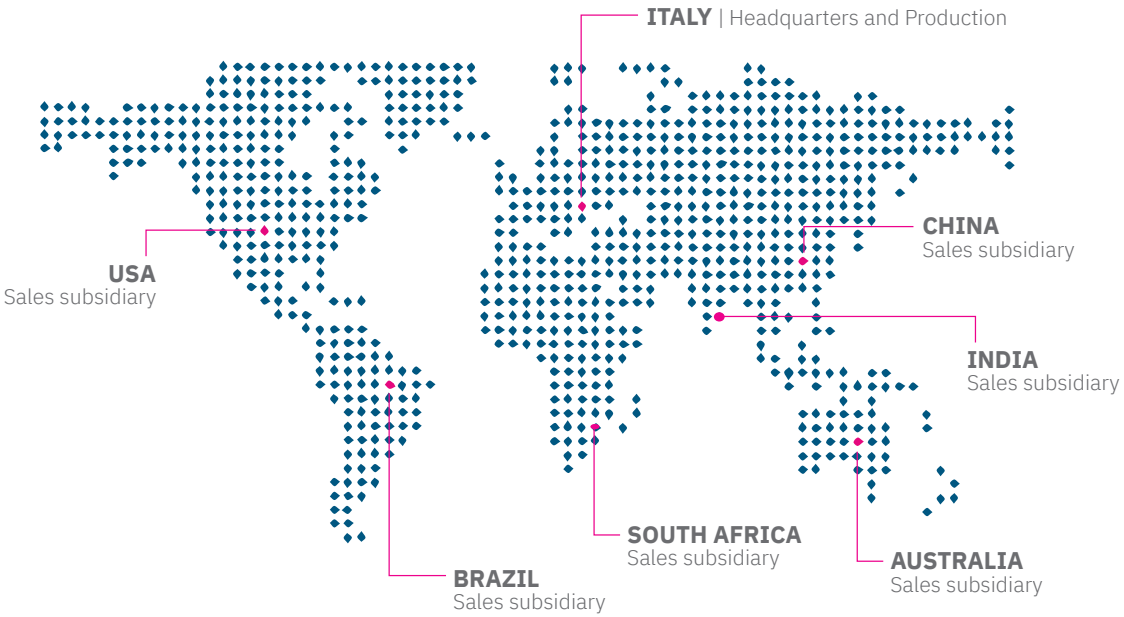
stucchigroup.com

The Company

Stucchi was founded in 1960 in Italy and during these decades has gained a vast experience in the production of quick couplings for fluid transfer.

The vision that drives us to the future is to be recognized by our customers as their supplier of choice for fluid power products and solutions that are easy to use, safe, long lasting, environmentally friendly and that help in saving energy.

Stucchi in the world







Why Stucchi

- Specialized in quick couplings
- We listen to the needs of our customers
- Full range of products and interchangeability
- We design and test innovative solutions
- We have a dedicated stock
- Diversified services for our clients
- Safety and respect for the environment first
- 100% Made in Italy production, with a global sales network

Why Stucchi products

- Flat face design with no-spill valve
- Different solutions for Connection Under Pressure
- Durability under mechanical stress
- The original screw-to-connect couplings
- Minimal pressure drop design
- Flexibility to provide different port configurations
- Different safety locking options





The Stucchi proposition

With **over 60 years of expertise** in quick couplings, Stucchi is a trusted partner for hydraulic solutions in construction. Flat face couplings are the industry standard, **and Stucchi has pioneered flat face screw couplings,** setting benchmarks.

Our technologies ensure seamless **connections under residual pressure,** delivering efficiency and reliability in tough environments. In addition, Stucchi's multi-coupling systems streamline complex connections, cutting downtime and boosting machinery productivity.

A major strength is our R&D center, which develops **custom products** to meet specific client needs and applications.

Connection between machine and arm

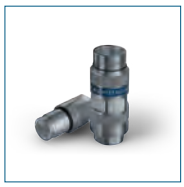
DP



GR



VT *RoT-lock*



VEP-HD



VP-P



SATURN



Undercarriage

DP



GR



VEP-P





Connection between arm and attachment

A



APM



VT *RoT-lock*



VEP-HD



VP-P



VEP-P



The image is representative of a wide range of excavators, the most suitable products to use depend on the specific machine.

Stucchi solutions for Construction

Thanks to **strong partnerships** with leading construction equipment manufacturers, Stucchi has developed specialized solutions tailored to the demanding needs of this sector. These collaborations foster ongoing innovation and ensure **high-performance products** that meet the toughest field conditions.

Stucchi's deep expertise in hydraulics allows it to respond effectively to industry-specific challenges, delivering reliable and custom-engineered solutions that integrate perfectly with modern construction machinery.

Technical notes

	Size	Connection system	Max operating pressure (bar)	Flow rate (l/min)	Material / Treatment	Connection Under Pressure	Anti-brinelling	Allowing hoses torsion	Multiple connections
A	1/8", 1/4", 3/8", 1/2", 5/8", 3/4", 1", 1-1/4", 1-1/2"	Push	420	750	Carbon steel / Cr3 (Zn-Ni)	—	—	—	—
APM	"3/8", 1/2", 5/8", 3/4", 1", 1-1/2"	Push	350	750	Carbon steel / Cr3	✔	—	—	—
VT Rot-lock	3/4", 1", 1-1/4"	Screw	500	576	Carbon steel / Zn-Ni	✔	✔	✔	—
VP-P	1/4", 3/8", 1/2", 5/8", 3/4", 1", 1-1/2"	Screw	600	750	Carbon steel / Cr3, QPQ	✔	✔	—	—
VEP-P	1/4", 3/8", 1/2", 5/8", 3/4", 1", 1-1/2", 2"	Screw	600	1000	Carbon steel / Cr3, QPQ (Zn-Ni)	✔	✔	—	—
VEP-HD	3/4", 1", 1-1/4", 1-1/2"	Screw	550	750	Carbon steel / QPQ (Zn-Ni)	✔	✔	—	—
SATURN	1/2", 5/8", 3/4"	Push	350	200	Iron cast, Carbon steel	✔	—	—	—
DP	3/8", 1/2", 5/8", 3/4", 1"	Lever	350	378	Carbon steel, Aluminum	✔	✔	—	✔
GR	3/8", 1/2", 5/8", 3/4", 1"	Lever	700	378	Carbon steel, Brass	✔	✔	—	✔
BM	1", 1-1/2"	Lever	420	750	Aluminum, Carbon steel	✔	✔	—	✔
DMC	1"	Lever	420	378	Aluminum, Carbon steel	✔	✔	—	✔

The advantages of Stucchi solutions

Connection Under Pressure

A typical problem in connecting tools is connections under residual pressure. What could cause this? In a closed circuit subjected to a heat change, there is an increase in the internal pressure of the fluid, even if the machinery or accessory is not actively used.

With the Stucchi series, which can connect under pressure you can easily reconnect the tools again.

APM 

VT *RoT-lock* 

VEP-P 

VEP-HD 

VP-P 

SATURN 

DP 

GR 

MORE INFO

Avoiding the Brinelling effect

One of the most important factors in the design of quick couplings is their durability, given their use in applications subjected to strong mechanical stresses.

Traditionally, a system with metal balls is used for locking, but this solution is unsuitable for situations involving physical forces that can cause the Brinelling effect (small indentations left by the metal ball).

The solution offered by Stucchi is to use flat face screw couplings or multicouplings where the forces are distributed more efficiently, increasing the coupling's resistance to impulses.

VT *RoT-lock* 

VEP-P 

VEP-HD 

VP-P 

DP 

GR 

MORE INFO

Allowing the torsion of the hoses

Hose twisting on excavators is a common issue that can lead to premature wear, oil leaks, and high maintenance costs.

The Stucchi VT RoT-lock, with its integrated bearing, enables smooth rotation of the coupling, preventing unwanted twisting. This solution enhances hoses and couplings durability ensuring a reliable connection, optimizing operational efficiency.

VT *RoT-lock* 

MORE INFO

Multicouplings for Construction

Here are some examples of applications and attachments within the Construction sector where Stucchi Multicouplings provide an optimal solution for ensuring easier, quicker, and safer management of hydraulic circuits.

Mini-Midi Excavator

DP2 2A-2EC V04
DP2 2B-2EC V04
DP2 2B-2EC V05





Demolition arm

DP4 4B-2EC
GR6 6A-2EC
GR8 6A-2B-6EC





Crawler crane

GR6 2A-2B-2C-2EC
BM3 1A-2E-1EC*

** see dedicated datasheet on stucchigroup.com*





Telehandler

DP2 2A-2EC V04
DP2 2B-2EC V04
DP2 2B-2EC V05





Drilling

DMC 4*
DMC 6*

** see dedicated datasheet on stucchigroup.com*





Couplings for Custom Multi

Flat face couplings suitable to be used in custom multiconnections built by the customer:

FAP-ZN*
FAP-AS*

** see dedicated datasheet on stucchigroup.com*





Stucchi®

For complete technical information see www.stucchigroup.com
STUCCHI S.p.A. All right reserved. September 2025 **EN**

Stucchi S.p.A.
Headquarters

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

stucchigroup.com

Stucchi USA inc.
Romeoville IL
60446, USA
stucchiusa.com

Stucchi (Shanghai) Fluid Power Technology Co., Ltd
201315 Pudong
Shanghai, China
stucchichina.com

Stucchi FCP Pty Ltd.
Dandenong South, VIC
3175, Australia
stucchiaustralia.com

Brendale, QLD
4500, Australia

Malaga WA
6090, Australia

Stucchi Engates Hidraulicos Ltda.
Sorocaba, SP
18080-690, Brazil
stucchibrasil.com.br

Stucchi South Africa pvt Ltd
Edenglen
1613, South Africa
stucchigroup.com

Stucchi India Pvt Ltd
Bengaluru, Karnataka
560024, India
stucchi-india.com