

Stucchi®

STUCCHI HYDRAULICS

 **Pneumacon**



Stucchi®

Thanks to the robust hydraulic quick couplings, you can rely on the durability of your equipment, avoid unnecessary work interruptions and reach a high level of occupational safety. That's why Stucchi is the first choice of countless professionals.

Stucchi S.p.A., founded in 1960, is an Italian manufacturer of hydraulic quick couplings and one of the pioneers of Flat-Face couplings with which the company has more than 25 years of experience. Stucchi's product range includes a wide range of hydraulic quick couplings, screw couplings for hydraulic hammers and multi couplings for mobile hydraulics.

Stucchi's hydraulic couplings are used in aeronautical industry, manufacturing industry, agriculture as well as transportation. Stucchi's hydraulic couplings are also used for the initial installation of numerous internationally renowned products.

Screw couplings

The most suitable applications for screw couplings are, for example, cranes, drilling machines, hydraulic hammers, and everything with pulsating pressure. The screw couplings can also be connected under pressure.

The screw-to-connect Flat-Face quick couplings (series VP-P, VEP-P, VEP-HD) are completely non-drip, which is why they are easy to clean, and no oil gets into the environment when connecting or disconnecting. Hydraulic oil is problematic waste when it gets out of the hydraulic system, and it also causes aesthetic and safety problems.

Quick couplings for industrial hydraulics (ISO 7241-B)

Stucchi's ISO-B standard IRB series hydraulic couplings are popular in various industries. They are commonly used, for example, in the basic industry and the chemical industry. Stucchi's ISO-B hydraulic couplings comply with the ISO 7241-B standard, and they are compatible with products from other manufacturers.

The ISO-B hydraulic quick couplings are suitable for a wide range of conditions and, depending on the sealing material, they withstand very extreme temperatures. Depending on the series, the material of the couplings is either galvanized steel, brass or stainless steel (AISI316).

Multi Couplings

The Multi Couplings make connection of auxiliary devices easier in mobile hydraulics. The most common mobile couplings are equipped with 2, 4 or 6 couplings, but they are available for up to 10 couplings. With multi couplings, several couplings can be connected at the same time, which makes connecting couplings fast, easy and safe. They can also be connected under pressure.

	VP-P	VEP-P	VEP-HD	VD	VR	IRB	IRBX	IRBO
Quick locking	✓					✓	✓	✓
Screw-to-connect	✓	✓	✓	✓	✓			
Connection under pressure	✓	✓	✓	✓	✓			
Non-drip	✓	✓	✓					
For pulsating pressure	✓	✓	✓	✓				
For extreme conditions			✓				✓	

Flat-face screw couplings

SERIES VP-P

The VP-P screw flat face coupling series is suitable for high operating and impulse pressures. The couplings have patented valve structure that enables connection under pressure. Thanks to the flat-face structure, hydraulic couplings are easy to keep clean and there are no leaks when connecting or disconnecting the couplings.

Applications and features:

Cranes, drilling machines, hydraulic hammers and all items where auxiliary equipment has to be connected under pressure.

- » Can be connected under pressure of 250 bar
- » Speeds up equipment installation
- » The safety sleeve is integrated and it connects automatically
- » Models with BSP-thread are in stock, NPT and UNF are also available



Product code	Coupling size	Thread size BSP	Max working pressure connected, bar	Max flow l/min
VP7 1/4" (F/M)	1/4"	1/4"	600	24
VP9P 3/8" (F/M)	3/8"	3/8"	550	46
VP9P 1/2" (F/M)	3/8"	1/2"	550	46
VP13P 1/2" (F/M)	1/2"	1/2"	550	90
VP15P 3/4" (F/M)	5/8"	3/4"	550	148
VP17P 1" (F/M)	3/4"	1"	500	200
VP21P 1 1/4" (F/M)	1"	1 1/4"	470	378
VP30P 1 1/2" (F/M)	1 1/2"	1 1/2"	400	750

Dust caps	Product code
For coupling VP7	815300050
For nipple VP7	815300051
For coupling VP9	815300052
For nipple VP9	815300053
For coupling VP13	815300054
For nipple VP13	815300055
For coupling VP15	815300056
For nipple VP15	815300057
For coupling VP17	815300058
For nipple VP17	815300059
For coupling VP21	815300060
For nipple VP21	815300061
For coupling VP30	815300062
For nipple VP30	815300063



Flat-face screw couplings

SERIES VEP-P

The VEP screw flat face coupling series is the Stucchi solution for hydraulic applications requiring high operating pressures and connection with residual pressure trapped in the circuit. They are suitable for example hydraulic hammers, because they tolerate well pulsating pressure shocks. The triple valve system allows connection of the coupling safely even in the presence of high internal residual pressure and at the same time eliminates fluid loss during the connection-disconnection process.

Applications and features:

Cranes, drilling machines, hydraulic hammers and all items where auxiliary equipment has to be connected under pressure.

- » Can be connected under pressure of 250 bar
- » Speeds up equipment installation
- » Models with BSP-thread are in stock, NPT and UNF are also available

Product code	Coupling size	Thread size BSP	Max working pressure connected, bar	Max flow l/min
VEP13P 1/2" (F/M)	1/2"	1/2"	550	90
VEP15P 5/8" (F/M)	5/8"	3/4"	550	148
VEP17P 1" (F/M)	3/4"	1"	500	200
VEP21P 1 1/4" (F/M)	1"	1 1/4"	470	378
VEP30P 1 1/2" (F/M)	1 1/2"	1 1/2"	400	750
VEP45P 2" (F/M)	2"	2"	350	1000

SERIES VEP-HD

VEP-HD series has all the same features as VEP series and it is designed to withstand even tougher conditions.

- » QPQ-treatment provides better corrosion resistance

Product code	Coupling size	Thread size BSP	Max working pressure connected, bar	Max flow l/min
VEP17HD 1" (F/M)	3/4"	1"	500	200
VEP21HD 1 1/4" (F/M)	1"	1 1/4"	470	378
VEP30HD 1 1/2" (F/M)	1 1/2"	1 1/4"	400	750

Dust caps	Product code
For coupling VEP13	815300074
For nipple VEP13	815300075
For coupling VEP17	815300078
For nipple VEP17	815300079
For coupling VEP21	815300080
For nipple VEP21	815300081
For coupling VEP30	815300082
For nipple VEP30	815300083
For coupling VEP45	815300042
For nipple VEP45	815300043



Coupling F

Nipple M



Nipple M

Coupling F



**Stucchi®**

Screw to Connect couplings for hammer use

SERIES VD

- » Inexpensive and durable screw to connect coupling
- » Suitable for application with pressure impulses in the hydraulic circuit
- » Compatible with many coupling brands
- » In accordance with the ISO 8434-1 standard
- » Can be connected under pressure (max. 100 bar)
- » Available with BSP-thread, L- and S-connections

Nipple M

Coupling F



Product code	Coupling size	Thread size BSP	Max working pressure connected, bar	Max flow l/ min
VD14 1/4" (F/M)	1/4"	1/4"	450	24
VD38 3/8" (F/M)	3/8"	3/8"	450	46
VD12 1/2" (F/M)	1/2"	1/2"	400	90
VD34 3/4" (F/M)	3/4"	3/4"	400	148
VD100 1" (F/M)	1"	1"	300	200
VD114 1 1/4" (F/M)	1 1/4"	1 1/4"	300	378

Dust caps	Product code
For coupling VD14	814900000
For nipple VD14	814900001
For coupling VD38	814900002
For nipple VD38	814900003
For coupling VD12	814900004
For nipple VD12	814900005
For coupling VD34	814900006
For nipple VD34	814900007
For coupling VD100	814900016
For nipple VD100	814900017
For coupling VD114	814900018
For nipple VD114	814900019

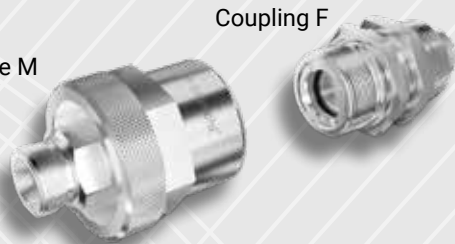
Screw to Connect couplings for transport

SERIES VR

- » L- and S-connections (Rohrleitung)
- » For transportation applications
- » Can be connected under a pressure (max. 100 bar)

Nipple M

Coupling F



Product code	Coupling size	Thread size	Max working pressure connected, bar	Max flow l/ min
VR38 S12 (F/M)	3/8"	S12	400	46
VR38 L15 (F/M)	3/8"	L15	400	46
VR12 L15 (F/M)	1/2"	L15	300	90
VR12 S16 (F/M)	1/2"	S16	300	90
VR34 S20 (F/M)	3/4"	S20	350	212
VR100 S20 (F/M)	1"	S20	300	378
VR100 S25 (F/M)	1"	S25	300	378
VR100 S30 (F/M)	1"	S30	300	378
VR114 S38 (F/M)	1 1/4"	S38	420	576

Dust caps	Product code
For coupling VR38	814900012
For nipple VR38	814900013
For coupling VR12	814900014
For nipple VR12	814900015
For coupling VR34	814906016
For nipple VR34	814906017
For coupling VR100	814906018
For nipple VR100	814906019
For coupling VR114	814906020
For nipple VR114	814906021

ISO B series

The Iso B series quick couplings are used in various industrial sectors, in the oil and gas industry, cooling technology and the chemical industry. The quick couplings are suitable for a wide range of conditions, and they withstand very extreme temperatures.

- » Interchangeable with ISO B (7241-1)

SERIES IRB - STEEL

Based on the worldwide interchangeability, "IRB" is used in a variety of industrial hydraulic applications.

- » Manufactured of carbon steel with zinc plated surface treatment.
- » NBR seal as standard, also available with other sealing materials

Product code	Thread size	Max working pressure connected, bar	Max flow l/min
IRB18 (F/M)	G 1/8"	350	6
IRB14 (F/M)	G 1/4"	350	24
IRB38 (F/M)	G 3/8"	300	46
IRB12 (F/M)	G 1/2"	280	90
IRB34 (F/M)	G 3/4"	230	148
IRB100 (F/M)	G 1"	180	200

SERIES IRBX – STAINLESS STEEL

IRBX couplings are commonly used in the process industry.

- » Made of stainless steel
- » With viton sealing as standard

Product code	Thread size	Max working pressure connected, bar	Max flow l/min
IRBX18 (F/M)	1/8"	250	6
IRBX14 (F/M)	1/4"	250	24
IRBX38 (F/M)	3/8"	200	46
IRBX12 (F/M)	1/2"	200	90
IRBX34 (F/M)	3/4"	160	148
IRBX100 (F/M)	1"	125	200

SERIES IRBO - BRASS

Better corrosion resistance compared to galvanized steel

- » Made of brass, springs and bearings are made of stainless steel
- » EPDM seal as standard, viton sealing can be ordered

Product code	Thread size	Max working pressure connected, bar	Max flow l/min
IRBO18E (F/M)	1/8"	200	6
IRBO14E (F/M)	1/4"	200	24
IRBO38E (F/M)	3/8"	160	46
IRBO12E (F/M)	1/2"	160	90
IRBO34E (F/M)	3/4"	125	148
IRBO100E (F/M)	1"	10	200



**Stucchi®**

Multi Couplings

SERIES DP AND GR

In mobile hydraulics, connecting auxiliary devices is often difficult because of plenty of hoses but often also because of temperature fluctuation.

Stucchi S.p.A. has developed a solution to this problem: the multi couplings can be connected and disconnected even under pressure – as long as the work function is not on.

The multi coupling plates are available in several different versions and sizes. The most common ones are equipped with 2, 4, or 6 couplings. The kit always includes a base plate with a handle, a mobile plate and a dust cover. A holder for the mobile plate when it is not connected to the machine is available as an accessory. Multi couplings can also be supplied with specially coated and nut-secured couplings for demanding use.

The size and number of hoses are proportional to the size of the multi coupling kit. The hose bundle must not cause too much lateral load on the couplings. Stucchi multi couplings are available in special models for up to 10 couplings.



2 couplings

Product code		Coupling size	Thread size BSP	Max flow / coupling, l/min
DP2-9ZN	Kit	3/8"	3/8" / 1/2"	46
DP2-13ZN	Kit	1/2"	1/2"	90
DP2-13L	Kit	1/2"	1/2"	90
DP2-15ZN	Kit	5/8"	3/4"	148
DP2-17ZN	Kit	3/4"	3/4" / 1"	200

4 couplings

Product code		Coupling size	Thread size BSP	Max flow / coupling, l/min
DP4-9ZN	Kit	3/8"	3/8"	46
DP4-9ZN 1/2"	Kit	3/8"	1/2"	46
DP4-13ZN	Kit	1/2"	1/2"	90
DP4-13ZN	Kit	1/2"	3/4"	90

6 couplings

Product code		Coupling size	Thread size BSP	Max flow / coupling, l/min
GR6-9ZN	Kit	3/8"	3/8"	46
GRN6-9FMZN	Kit	3/8"	L15	46
GR6-13ZN	Kit	1/2"	1/2"	90
GR6-13ZN 3/4"	Kit	1/2"	3/4"	90





We will be happy to map out your coupling needs.

In addition to Stucchi hydraulic couplings, our selection includes CEJN hydraulic couplings, compressed air products, ultra-high pressure hydraulic couplings, fluid couplings and cooling quick couplings.

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