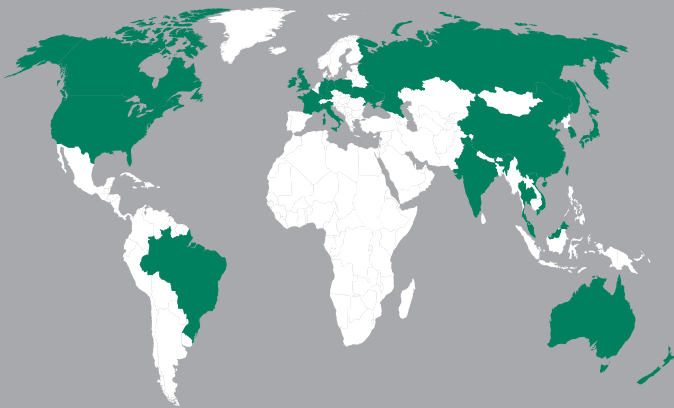


STAUFF Quick Release Couplings



GERMANY

Walter Stauffenberg GmbH & Co. KG
Im Ehrenfeld 4
58791 Werdohl
Tel.: +49 2392 91 60
Fax: +49 2392 91 61 03
E-Mail: sales@stauff.com

STAUFF products and services are globally available through wholly-owned subsidiaries and a tight network of authorised distributors and representatives in all major industrial regions of the world.

You can find detailed contact information at
www.stauff.com

AUSTRALIA

STAUFF Corporation Pty Ltd
Tel.: +61 2 4271 9000
sales@stauff.com.au

BRAZIL

STAUFF Brasil Ltda.
Tel.: +55 11 47 72 72 00
stauff@stauffbrasil.com

CHINA

STAUFF China
Tel.: +86 21 68 18 70 00
info@stauff.com.cn

FRANCE

STAUFF S.A.S.
Tel.: +33 2 54 50 55 50
direction@stauffsa.com

INDIA

STAUFF India Pvt. Ltd.
Tel.: +91 20 67 31 4900
sales@stauffindia.com

IRELAND

STAUFF Ireland
Tel.: +44 28 92 60 69 00
sales@stauffireland.com

ITALY

STAUFF Italia S.r.l.
Tel.: +39 031 65 84 94
sales@stauff.it

CANADA

STAUFF Canada Ltd.
Tel.: +1 416 282 46 08
sales@stauffcanada.com

KOREA

STAUFF Korea Ltd.
Tel.: +82 51 266 66 66
info@stauff.co.kr

MALAYSIA

STAUFF South East Asia Sdn Bhd
Tel.: +60 3 5637 7888
sales@stauff.com.my

NEW ZEALAND

STAUFF Corporation (NZ) Ltd.
Tel.: +64 9 912 1530
sales@stauff.co.nz

POLAND

STAUFF Polska Sp. z o.o.
Tel.: +48 58 660 11 60
sales@stauff.pl

RUSSIAN FEDERATION

STAUFF LLC
Tel.: +7 495 276 16 50
sales@stauff.ru

THAILAND

STAUFF (Thailand) Co., Ltd.
Tel.: +66 2 721 73 23
sales@stauff.co.th

UNITED STATES

STAUFF Corporation
Tel.: +1 201 444 78 00
sales@stauffusa.com

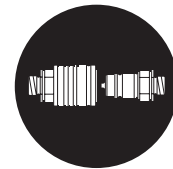
UNITED KINGDOM

STAUFF UK Ltd.
Tel.: +44 114 251 85 18
sales@stauff.co.uk

VIETNAM

STAUFF Vietnam Ltd.
Tel.: +84 8 3948 1041
sales@stauff.com.vn

Push-to-Connect Couplings



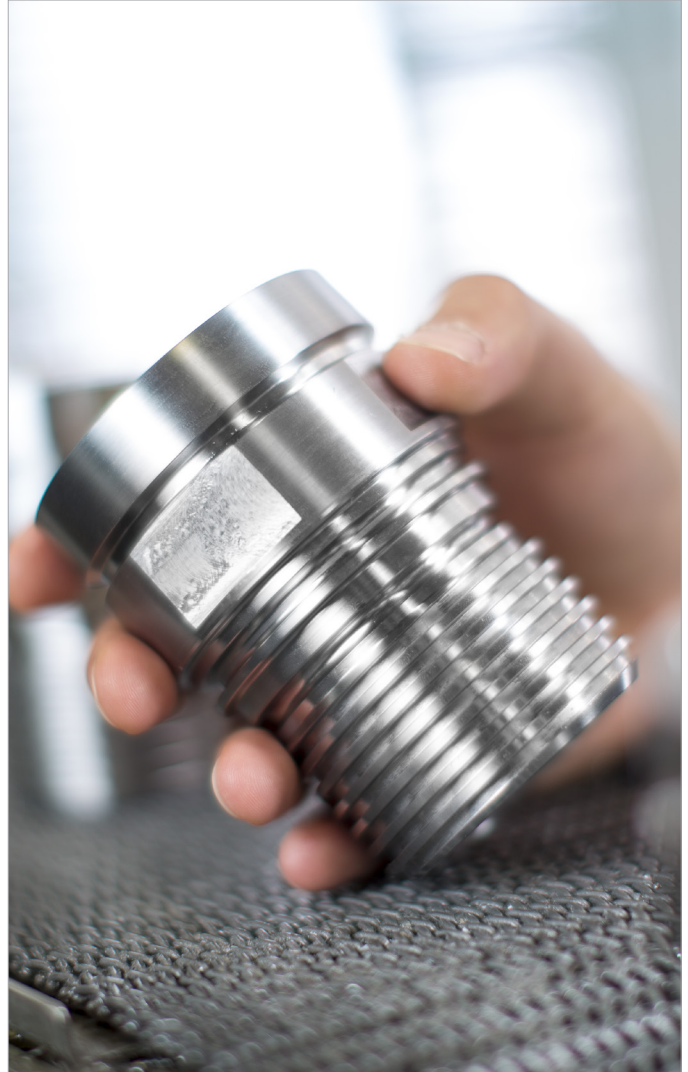
Multi Couplings



Screw-to-Connect Couplings



Product Overview
STAUFF Quick Release Couplings



STAUFF Quick Release Couplings

STAUFF couplings have proven their value for many years in practical use in hydraulic systems. The excellent quality of the couplings is the result of continual product improvement in which the experiences of users have been taken into consideration, as well. Our high production standards, combined with our quality management system certified in accordance with EN ISO 9001, assures the quality of our products.

For the technical specifications of the individual couplings please refer to the following pages of the catalog.

Housing material

Steel according to EN 10277:
Couplings Series FF, FU, HP-10, IA, IB, ID, BP, HUS, PS, RK/RH, FT, HH, HI, HT and MK with Zinc-Nickel coating,

Zinc-Plating and Thick-Film-Passivation
(Chrome III)

Seals

NBR (Buna-N®), PTFE
ISO 3601

Operating temperature

-20 °C ... +100 °C / -4° F ... +212° F
with NBR (Buna-N®), PTFE
-25 °C ... +200 °C / -13° F ... +392° F
with FKM (Viton®)

Please contact STAUFF to require other combinations of materials.

The operating pressures specified in our catalog relate to the strength of the housing components. Standardized connector shapes may have other rated pressures, which cannot automatically be applied to the particular coupling type.

Any remodeling and modification of the couplings are prohibited. By any maintenance of our couplings it's necessary to use original STAUFF parts. In case of using of no original parts or disassembling of the couplings the warranty will be expire.

The STAUFF hydraulic couplings don't have the 94/7/EG guidance for the using in explosive field. The couplings don't have an own ignition source which could be a reason of inflame.





- Free of hexavalent chrome Cr(VI)
- ELV compliant according to 2000/53/EC (End of Life Vehicles Directive)
- REACH compliant according to 1907/2006/EC (Registration, Evaluation, Authorisation and Restriction of Chemicals)
- RoHS compliant according to 2002/95/EC (Restrictions of the Use of Hazardous Substances)

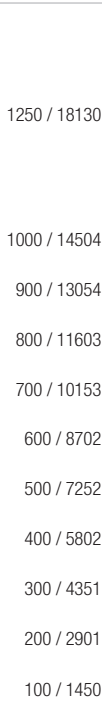











Inspection Certificate	
Client: Industrietechnik GmbH Wittenberg	Order No.: 0100000000
Order No. (internal): 0100000000	Order No. (external): 0100000000
Inspection Date: 21 May 2015	Inspection Time: 10:00
Inspection Time: 10:00	Inspection Time: 10:00
<p>This certificate is issued to the client to certify that the inspection of the inspection object, as stated in the inspection report, has been completed successfully.</p> <p>Description: Quick Release Coupling System Type 11</p> <p>Type: ST 100/100</p> <p>Manufacturer's Designation: ST 100/100</p> <p>Serial Number: 1000000000</p> <p>Test results: 100% OK</p> <p>Test procedure: 100%</p> <p>For details, please refer to the inspection report and the inspection report.</p> <p>For details, please refer to the inspection report and the inspection report.</p> <p>For details, please refer to the inspection report and the inspection report.</p>	


Normative references

EN ISO 8330:2000, ISO 5675,
ISO 5676, ISO 7241, ISO 16028, AMD 1



Quick Release Couplings - Overview

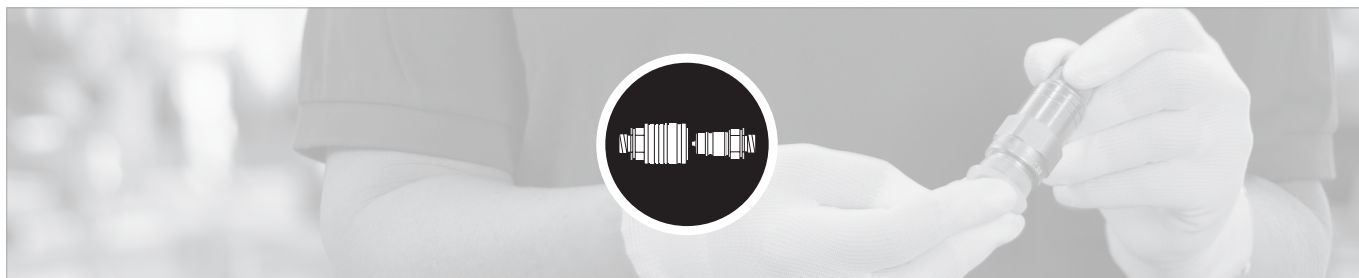
Working Pressure bar / PSI													
Series		FF/FH	FU	FH	FO	HP	HU	UX	IA	IA	IB	IB	
Material	Carbon Steel												
	Stainless Steel												
	Brass												
Surface Finishing	Zinc-Nickel												
	Zinc-Plating and Thick-Film-Passivation (Chrome III)												
Standard Seal Material(s) ¹	NBR (Buna-N®)												
	HNBR												
	FKM (Viton®)												
	PTFE												
	PU												
Working Temperature	°C	-25 ... +100	-25 ... +100	-25 ... +200	-25 ... +200	-25 ... +100	-25 ... +100	-30 ... +100	-25 ... +100	-25 ... +200	-25 ... +100	-25 ... +200	
	°F	-13 ... +212	-13 ... +212	-13 ... +392	-13 ... +392	-13 ... +212	-13 ... +212	-22 ... +212	-13 ... +212	-13 ... +392	-13 ... +212	-13 ... +392	
Valve Design	Flat Face												
	Poppet Valve												
Connection	Ball Valve												
	Push												
	Push and actuate Push-Pull Sleeve												
	Push and actuate Push Sleeve												
Disconnection	Screw												
	Pull												
	Actuate Push-Pull Sleeve												
	Actuate Push Sleeve												
Connect Under Pressure ⁶	Screw												
	Male Tip												
Application	Female Body												
	Agricultural and Forestry Machinery												
	Construction Machinery												
	Industrial Hydraulic												
	Offshore												
ISO Interchange		ISO 16028	ISO 16028	ISO 16028		ISO 7241-1, Series A					ISO 7241-1, Series B		
Page		21	29/30	33	37	41	49	53	57	63	69	75	

¹ Alternative seal materials are available on request.
 Working Pressure depends on the nominal size.

² When mounting the Sleeve in Bulkhead
³ Up to max. 250 bar / 3626 PSI
⁴ Up to 33% of the Working Pressure with Tools
⁵ Max. 100 bar / 1450 PSI

⁶ Only Residual Pressure
⁷ Female Body with ISO-A Male Tip up to the max. Working Pressure allowed
⁸ Max. 20 bar / 290 PSI Residual Pressure with Tools
⁹ Up to max. 50 bar / 725 PSI with Tools





Push-to-Connect Couplings

STAUFF push-to-connect Couplings consist of a Female Body and a Male Tip and ensure that two tube/hose ends can be quickly and incredibly easily coupled and uncoupled without the need for a tool.

The permitted working pressures of push-to-connect Couplings are comparatively limited (depending on the respective nominal size) as they are securely locked by snap-in balls.



Series FF/FH/FU

Flat-face Coupling acc. to ISO 16028,
Series FU Connection under pressure



Series FH (Stainless Steel)

Flat-face Coupling acc. to ISO 16028
Resistant to aggressive environment and
flow mediums



Series FO (Stainless Steel)

Flat-face Coupling
Double shut-off valve design



Series HP/HU

ISO 7241-1, Series A, Push-Pull
Series HU Connection under pressure

Valves close automatically if the Male Tip
break away



Series UX

ISO 7241-1, Series A, Push-Pull,
Connection under pressure

Compatible with Series HP Male Tip



Series IA

ISO 7241-1, Series A

Double shut-off valve design
Compatible with Series HP



Series IA (Stainless Steel)

ISO 7241-1, Series A

Double shut-off valve design



Series IB

ISO 7241-1, Series B

Double shut-off valve design



Series IB (Brass)

ISO 7241-1, Series B

Double shut-off valve design



Series IB (Stainless Steel)

ISO 7241-1, Series B

Double shut-off valve design



Series ID

Double shut-off valve design



Series BP

ISO 5676

For use in hydraulic brake systems. The design
of the coupling meets the requirements of
NFU 16006 and ISO 5676



Series HC

Flat-face Coupling

Double shut-off valve design



Series HD

Flat-face Coupling

Double shut-off valve design



Series HUS





Multi Couplings

The multi-coupling has been created for connecting and disconnecting several hydraulic lines at the same time. This is done by an operating lever the guide crank of which is designed for a minimum of operating force.

The connection of the hydraulic lines is done with flat face couplings. Due to the special sealing it is possible to couple against trapped pressure on the male halves (max. 4x100 bar / 5802 PSI)



Series MK

2 x 250 bar and 2 x 40 bar Working Pressure
in compact or long Version available

Screw-to-Connect Couplings

STAUFF Screw-to-connect Couplings are locked by manually screwing together the thread of the female body and the thread of the male tip as far as they will go.

Higher working pressures can sometimes be achieved with Screw-to-connect Couplings than with push-to-connect Couplings (depending on the respective nominal size) as the forces produced act on the thread rather than on the snap-in balls.



Series HS

ISO 14541

For heavy-duty service conditions
and high working pressures



Series HS (Stainless Steel)

ISO 14541

Double shut-off valve design



Series PS

For hammer application
Maximum pulse strength



Series RH/RK

Flat-face, Pipeline Coupling

Permit separation without any loss of medium



Series FT

Flat-face Coupling, connection under pressure

Tested and certified acc. API 16 D and acc.
EUB Directive # 36



Series HR

Connection under pressure

Double shut-off valve design



Series HH

Connection under pressure

Double shut-off valve design



Series HH (Stainless Steel)

Stainless Steel, connection under pressure

Double shut-off valve design



Series HI (HIB)

ISO 14540

Double shut-off valve design



Series HT

Wing style

Double shut-off valve design



Series HM

Wing style

Double shut-off valve design



Series HV

Wing style
Connection under pressure

Double shut-off valve design

