

Flat Face Coupling 10,000 Working Pressure



10,000 Working Pressure

Series: A-HP

Interchange: None Proprietary Coupling

General data: HP is the Stucchi solution to high pressure leak-free applications with a 10,000 psi working pressure.

Features Include:

- Auto lock sleeve to eliminate accidental disconnection
- Does not interchange with lower pressure couplings to avoid misuse
- Color coded identification option available upon request (see inset photo)



Overview

The Stucchi HP series offers a patented safety system to prevent accidental disconnection. This patented sleeve system automatically rotates the sleeve when connected, engaging the safety lock mechanism. To disconnect: the coupler sleeve must be turned and aligned between the release notch and locking pin. A simple yet highly effective safety system.

Applications

- Emergency cutting tools
- Hydraulic wrenches, tools

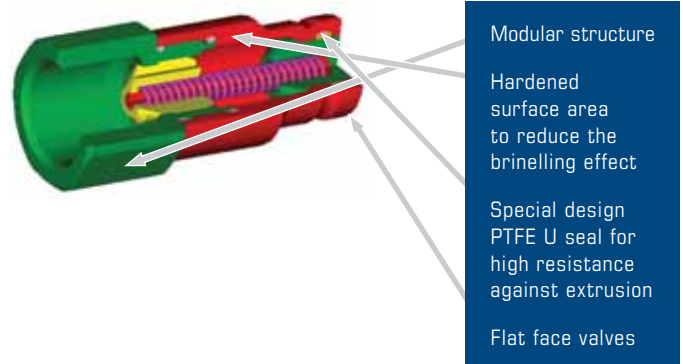
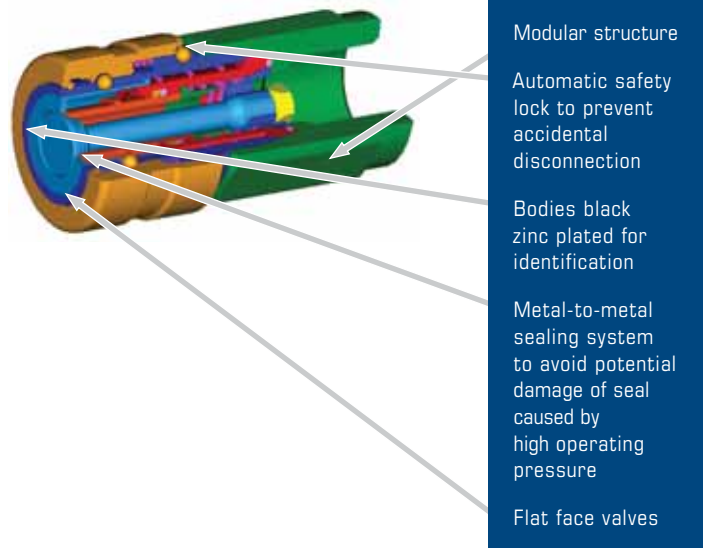
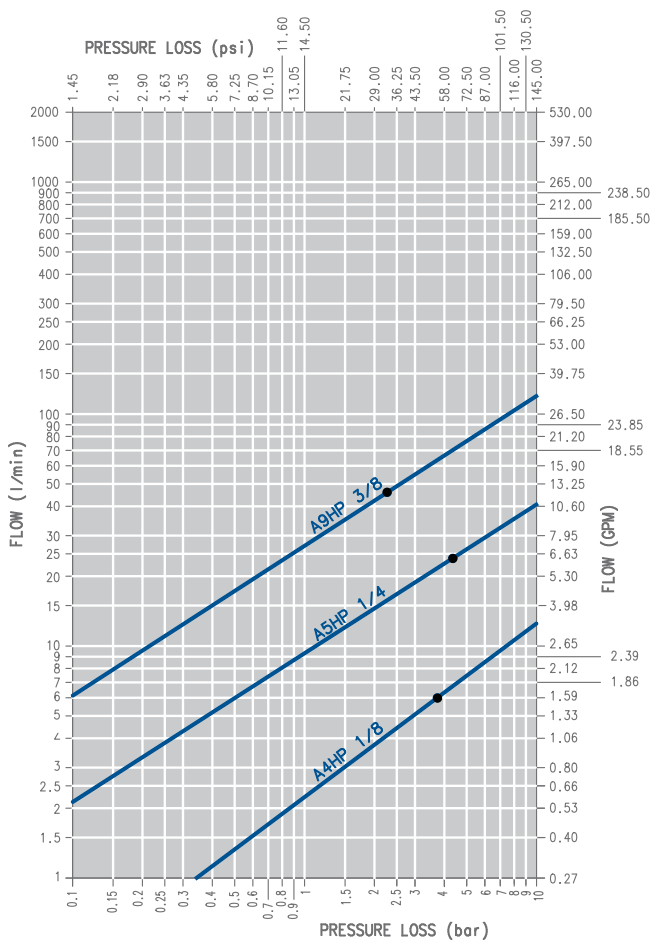
Advantages

- Locking sleeve eliminates accidental disconnection
- Low pressure drop
- No air inclusion during connection
- Flat face design limits leakage
- Easy to clean, eliminate contamination of hydraulic circuit
- Bi-directional flow
- Seals: Nitrile o-ring with anti-extrusion rings in specially shaped Teflon (PTFE)



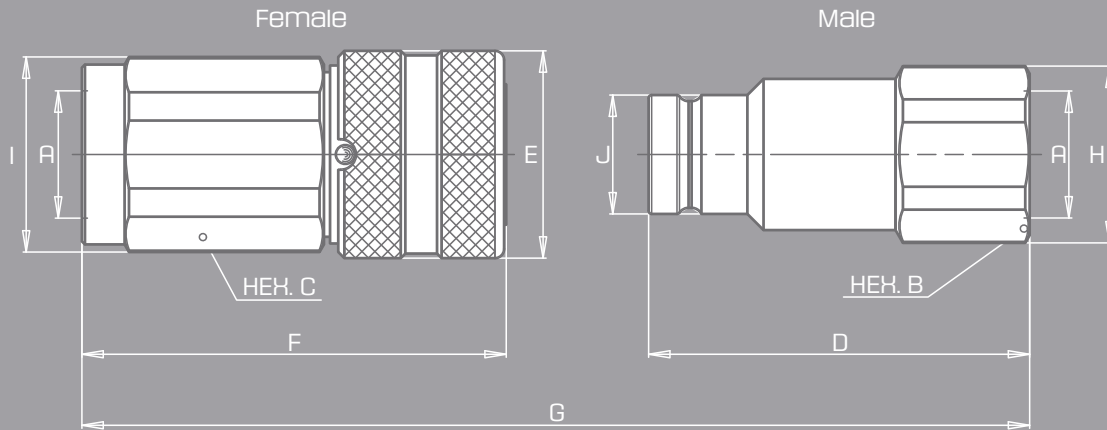
DESCRIPTION	SIZE	MAX. OPERATING PRESSURE COUPLED		BURST PRESSURE						SPILLAGE*
				COUPLED		MALE		FEMALE		
		MPa	psi	MPa	psi	MPa	psi	MPa	psi	
A4HP	1/8	72	10440	160	23200	160	23200	160	23200	0.040
A5HP	1/4	72	10440	200	29000	200	29000	150	21750	0.020
A9HP	3/8	72	10440	180	26100	200	29000	125	18125	0.020

* SPILLAGE IS AN INDICATIVE VALUE OF THE FLUID LOSS PER COUPLE-UNCUPLE CYCLE



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Flat Face: 10,000 Working Pressure Size Diagram



DESCRIPTION	BODY SIZE	A	UNIT	B	C	D	E	F	G	H	I	J	UNIT	WEIGHT	
														MALE	FEMALE
A4HP	1/8	1/8	mm	17.0	17.0	36.2	22.0	44.0	72.3	18.5	21.8	12.0	Kg	0.041	0.090
			inch	0.67	0.67	1.43	0.87	1.73	2.85	0.73	0.86	0.47	lb	0.09	0.20
A5HP	1/4	1/4	mm	22.0	22.0	47.9	29.0	58.0	94.9	23.8	29.0	16.5	Kg	0.090	0.205
			inch	0.87	0.87	1.89	1.14	2.28	3.74	0.94	1.14	0.65	lb	0.20	0.45
A5HP	1/4	3/8	mm	24.0	24.0	54.9	29.0	60.0	103.9	26.0	29.0	16.5	Kg	0.107	0.209
			inch	0.94	0.94	2.16	1.14	2.36	4.09	1.02	1.14	0.65	lb	0.24	0.46
A9HP	3/8	3/8	mm	27.0	30.0	60.0	34.0	64.6	108.8	29.0	32.0	19.5	Kg	0.153	0.322
			inch	1.06	1.18	2.36	1.34	2.54	4.28	1.14	1.26	0.77	lb	0.34	0.71
A9HP	3/8	1/2	mm	27.0	30.0	62.5	34.0	69.6	116.3	29.0	32.0	19.5	Kg	0.144	0.308
			inch	1.06	1.18	2.46	1.34	2.74	4.58	1.14	1.26	0.77	lb	0.32	0.68



COUPLER



NIPPLE

A-HP Female NPT Thread_ ISO 16028

PART	BODY SIZE	PORT SIZE	THREAD TYPE	ORDER CODE	PART DESCRIPTION
COUPLER	1/8	1/8	FEMALE NPT	801601014	F. A4 HP 1/8 NPT
NIPPLE	1/8	1/8	FEMALE NPT	801601015	M. A4 HP 1/8 NPT
COUPLER	1/4	1/4	FEMALE NPT	801601004	F. A5 HP 1/4 NPT
NIPPLE	1/4	1/4	FEMALE NPT	801601005	M. A5 HP 1/4 NPT
COUPLER	1/4	3/8	FEMALE NPT	801601008	F. A5 HP 3/8 NPT
NIPPLE	1/4	3/8	FEMALE NPT	801601009	M. A5 HP 3/8 NPT
COUPLER	3/8	3/8	FEMALE NPT	801601010	F. A9 HP 3/8 NPT
NIPPLE	3/8	3/8	FEMALE NPT	801601011	M. A9 HP 3/8 NPT
COUPLER	3/8	1/2	FEMALE NPT	801601012	F. A9 HP 1/2 NPT
NIPPLE	3/8	1/2	FEMALE NPT	801601013	M. A9 HP 1/2 NPT