













60SERIES

INTERCHANGE > ISO 16028



TECHNICAL FEATURES AND OPTIONS

	Interchange ISO 16028		Sealing description FKM (VITON®) KAFLON		Connection system Push
	Available sizes from 1/4" to 2"		Material Stainless steel (AISI 316L)		Available threads BSPP - NPT
	Operating pressure Up to 300 bar		Locking mechanism Locking ball + Safety Lock		Flow rate Up to 379 L/Min
	Temperature (°C) -15° / +180°		Valving style Flat face		Connection under pressure Connection: not allowed Disconnection: not allowed

BENEFITS

- Flat face is easy to clean, reducing the inclusion of contamination inside the hydraulic circuit.
- Minimal fluid spillage during disconnection, reducing fluid spillage to the environment.
- Minimal air inclusion during connection.
- Optimal resistance to the corrosion for long life of couplings.
- Compact slim design.
- Safe and simple to use.

HOW TO USE

- Before connecting, clean the mating surface of the couplings to avoid dirt inclusion in the circuit.
- To connect, push the male half towards the female half or vice versa.
- After connection, turn the external sleeve to engage safety lock function, to prevent accidental disconnection.
- To disconnect, turn the external sleeve until the sleeve lock notch matches the safety lock ball then push back the sleeve.

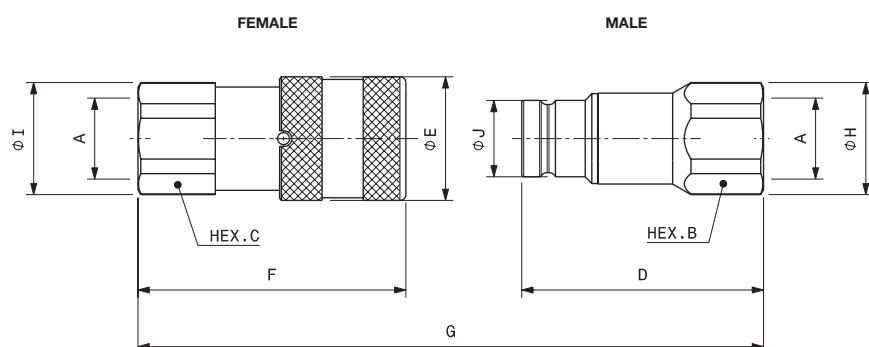


MAIN APPLICATIONS



PERFORMANCES

Size		Series/Size	Max. operating pressure	Burst pressure	Rated Flow	ΔP at Rated Flow
Inch	mm (ISO)		Coupled	Coupled		
			bar	bar	l/min	bar
1/4	6,2	6006	300	900	12	0,75
3/8	10,0	6009	250	750	23	0,90
1/2	12,5	6013	250	750	45	0,80
5/8	16,0	6019	200	600	74	0,75
3/4	19,0	6025	150	450	100	0,80
1	25,0	6030	100	300	189	1,20
1-1/2		6040	90	270	288	0,65
2		6050	60	180	379	0,30



Material:

- Construction: Stainless steel AISI 316L
- Springs: AISI 302
- Locking ball: AISI 316
- Anti-extrusion backup ring PTFE

Temperature range:

Seals in VITON® : from -15°C to +180°C
(from +5 °F to +356 °F).
Other seals available upon request.

OVERALL DIMENSIONS

Body	ISO	Body Type	Series Size	Port (A)	Length	Length	Hex	Dia.	Dia.	Weight
Size	DN				G (mm)	mm	mm	mm	mm	kg
1/4	6,3	Female	6006-F	1/4	86,0	F 48,0	C 22	I 24	E 28,0	0,170
		Male	6006-M			D 48,0	B 22	H 24	J 16,1	0,080
3/8	10,0	Female	6009-F	3/8	109,0	F 64,5	C 24	I 26	E 32,0	0,251
		Male	6009-M			D 60,0	B 27	H 29	J 19,7	0,125
1/2	12,5	Female	6013-F	1/2	125,0	F 74,0	C 32	I 35	E 38,0	0,380
		Male	6013-M			D 68,0	B 32	H 35	J 24,5	0,235
5/8	16,0	Female	6019-F	3/4	130,0	F 79,0	C 36	I 39	E 42,0	0,487
		Male	6019-M			D 70,0	B 36	H 38,5	J 27,0	0,262
3/4	19,0	Female	6025-F	1	154,0	F 93,0	C 45	I 48	E 48,0	0,778
		Male	6025-M			D 82,0	B 45	H 48	J 30,0	0,400
1	25,0	Female	6030-F	1-1/4	172,5	F 106,0	C 55	I 60	E 55,0	0,250
		Male	6030-M			D 90,0	B 55	H 60	J 36,1	0,700
1-1/2		Female	6040-F	1-1/2	215,0	F 132,5	C 65	I 72	E 80,0	2,900
		Male	6040-M			D 112,0	B 65	H 70	J 57,1	1,600
2		Female	6050-F	2	242,0	F 157,0	C 80	I 88,5	E 100,0	5,300
		Male	6050-M			D 124,0	B 75	H 83,5	J 73,0	2,300

! WARNING

A defect, a wrong choice or an improper use of products, can cause injury to persons, animals and objects.
Never connect or disconnect with dynamic pressure (e.g. pump on).
Do not couple-uncouple with flow in the circuit.
Do not couple-uncouple when the temperature inside of the circuit is higher than 80 °C (176 °F).
Do not use the coupling disconnected with high impulse pressure.
Connect under pressure products are suitable to be connected under residual (static) pressure.
Connection with residual pressure (pressure trapped in the circuit) allowed with other side coupling to drain.
Check the maximum allowable working pressure of the port in use.
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 carefully read and closely follow the instructions before selecting or using any Stucchi products.
Always refer to the version uploaded in the Instructions and warning section of stucchigroup.com website for the latest release.
For specific, product-related, instructions, please contact Stucchi technical service.