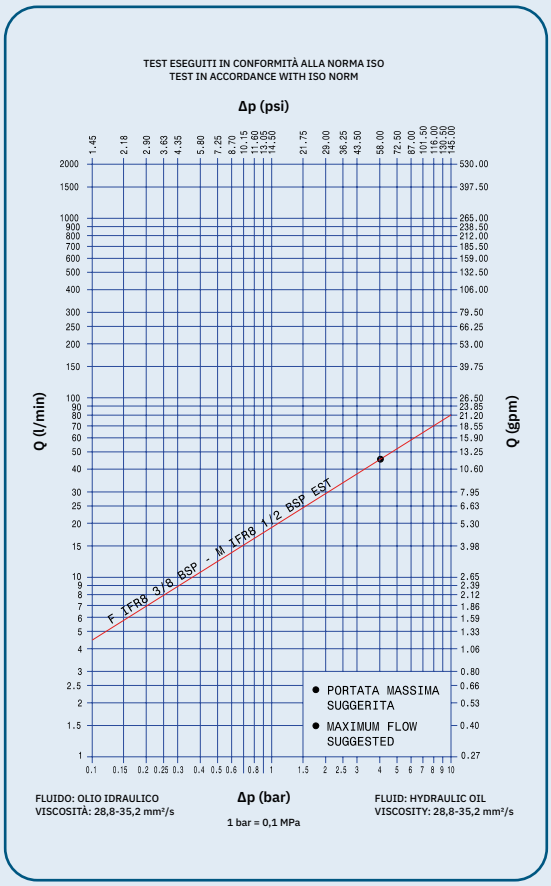
IFRSERIES

INTERCHANGE > **ISO 5676 “NF U 16-006”**

Stucchi®





TECHNICAL FEATURES AND OPTIONS

Interchange
ISO 5676
“NF U 16-006”

Sealing description
Nitrile NBR

Connection system
Single acting sleeve

Available sizes
3/8”

Material /treatment
Carbon steel /Cr3

Available threads
BSP - METRIC

Operating pressure
Up to 150 bar

Locking mechanism
Locking Ball system

Flow rate
Up to 46 l/min

Temperature (°C)
-20°C / +100°C

Valving style
Flat face
Non spill

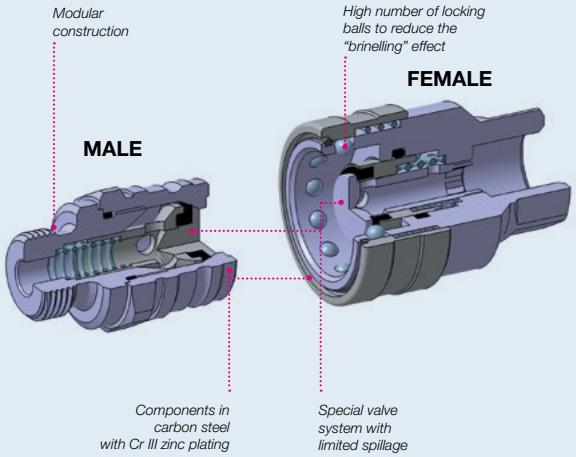
Connection under pressure
Connection: not allowed
Disconnection: not allowed

BENEFITS

- Minimal fluid spillage during disconnection, reducing fluid spillage to the environment.
- Minimal air inclusion during connection.
- Compact slim design.
- Simple to use.
- Metallic plug for female and plastic cap for male are included with the couplings.

HOW TO USE

- Before to connect, clean the mating surface of the couplings to avoid dirt inclusion in the circuit.
- To connect pull back the sleeve of the female coupling, align the female with the male coupling and push one into the other until both halves are fully connected and release the sleeve.
- To disconnect push back the sleeve of the female coupling, pull out the mating half.



MAIN APPLICATIONS



PERFORMANCES

Size		Series/Size	Max. flow suggested		Connect force		Disconnect force		Spillage*
in	mm		l/min	gpm	N	lbf	N	lbf	ml
3/8	6,3	IFR8	46	12,15	170	38,25	27	6,08	0,06

Size	Series/Size	Max. operating pressure						Burst pressure					
		Coupled		Male		Female		Coupled		Male		Female	
	in	MPa	psi	MPa	psi	MPa	psi	MPa	psi	MPa	psi	MPa	psi
3/8	IFR8	15	2175	15	2175	15	2175	60	8700	60	8700	30	4350

* Spillage is an indicative value of the fluid loss during disconnection (according to ISO norm test method).

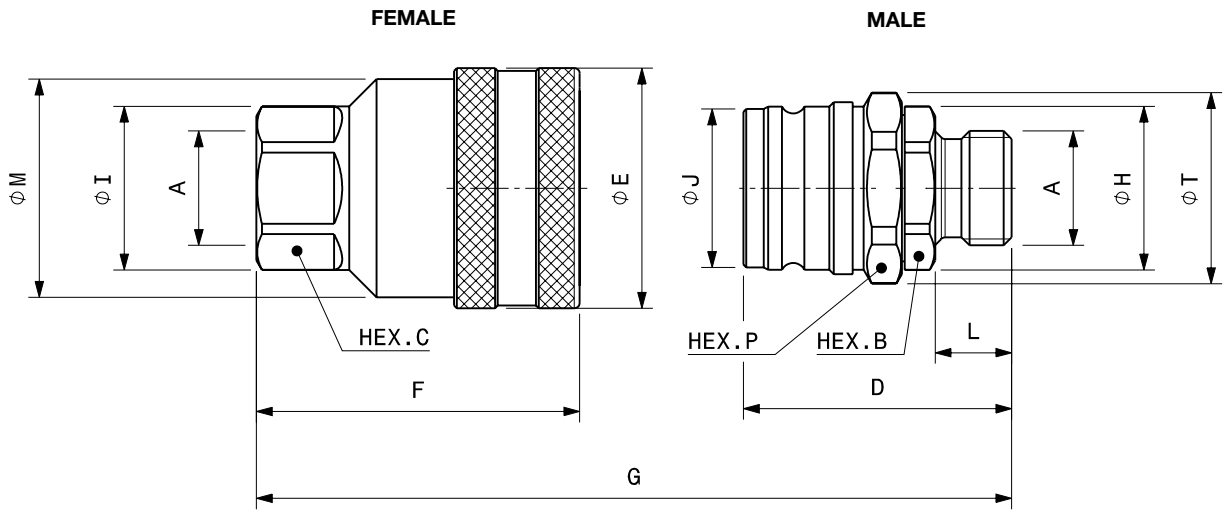
Different possible configurations:
Female without plug available upon request.
Different threads available upon request.

Temperature range:
Standard seal NBR (Nitrile): from -20 °C to +100 °C (from -4 °F to +212 °F).
Please read carefully Instructions and warnings for proper selection of the products.

Tests:
Qualification tests have been performed with hydraulic oil using couplings with NBR (Nitrile) seals.
The max. operating pressure have been verified fo 100.000 impulses according to ISO norm test method

⚠ 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 use the coupling disconnected with high impulse pressure.
Do not couple-uncouple with flow and/or pressure in the circuit.
Do not couple-uncouple when the temperature inside of the circuit is higher than 80 °C (176 °F).
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.



Port description: FEMALE THREAD BSPP (ISO 1179-1)
FEMALE THREAD METRIC

Body Size	Descriptive Code	Item Code		ISO DN	PORT (A)	Overall Length mm	Overall Length in	Length mm	Length in	Hex mm	Hex in	Diameter mm	Diameter in	Diameter mm	Diameter in
3/8"	F IFR8 3/8 BSP	Female	800200048	6,3	G3/8"	G = F+D-15	G = F+D-0.59	F 56,2	2,21	C 27,0	1,06	M 40,0	1,57	I 30,0	1,18
3/8"	F IFR8 1/2 BSP	Female	800200050	6,3	G 1/2"	G = F+D-15	G = F+D-0.59	F 59,2	2,33	C 27,0	1,06	M 40,0	1,57	I 30,0	1,18
3/8"	F IFR8 M18X1.5	Female	800212000	6,3	M18X1.5	G = F+D-15	G = F+D-0.59	F 54,2	2,13	C 27,0	1,06	M 40,0	1,57	I 30,0	1,18

Body Size	Descriptive Code	Item Code		Diameter mm	Diameter in	Weight kg	Weight lb
3/8"	F IFR8 3/8 BSP	Female	800200048	E 44,0	1,73	0,36	0,80
3/8"	F IFR8 1/2 BSP	Female	800200050	E 44,0	1,73	0,43	0,94
3/8"	F IFR8 M18X1.5	Female	800212000	E 44,0	1,73	0,36	0,80

Port description: MALE THREAD BSP (DIN 3852-2 form A)
MALE THREAD METRIC L series 24° (ISO 8434-1 & DIN 2353)

Body Size	Descriptive Code	Item Code		ISO DN	PORT (A)	Overall Length mm	Overall Length in	Length mm	Length in	Length mm	Length in	Hex mm	Hex in	Hex mm	Hex in
3/8"	M IFR8 1/2 BSP EXT	Male	800200051	6,3	G 1/2"	G = F+D-15	G = F+D-0.59	D 49,1	1,93	L 14,0	0,55	B 27,0	1,06	P 32,0	1,26
3/8"	M IFR8 L12 SCHOTT 23	Male	800210003	6,3	M18X1.5	G = F+D-15	G = F+D-0.59	D 58,1	2,29	L 23,0	0,91	B 27,0	1,06	P 32,0	1,26
3/8"	M IFR8 L12 SCHOTT 30	Male	800210005	6,3	M18X1.5	G = F+D-15	G = F+D-0.59	D 65,1	2,56	L 30,0	1,18	B 27,0	1,06	P 32,0	1,26
3/8"	M IFR8 M20X1,5 EXT	Male	800215003	6,3	M20X1.5	G = F+D-15	G = F+D-0.59	D 58,1	2,29	L 23,0	0,91	B 27,0	1,06	P 32,0	1,26

Body Size	Descriptive Code	Item Code		Diameter mm	Diameter mm	Diameter mm	Diameter in	Diameter mm	Diameter in	Weight kg	Weight lb
3/8"	M IFR8 1/2 BSP EXT	Male	800200051	T 35,0	1,38	H 30,0	1,18	J 29,0	1,14	0,19	0,42
3/8"	M IFR8 L12 SCHOTT 23	Male	800210003	T 35,0	1,38	H 30,0	1,18	J 29,0	1,14	0,19	0,43
3/8"	M IFR8 L12 SCHOTT 30	Male	800210005	T 35,0	1,38	H 30,0	1,18	J 29,9	1,18	0,20	0,45
3/8"	M IFR8 M20X1,5 EXT	Male	800215003	T 35,0	1,38	H 30,0	1,18	J 29,0	1,14	0,20	0,44



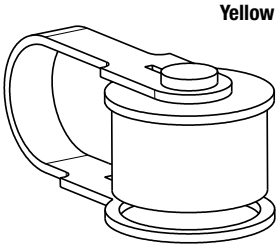
PROTECTIVE CAPS FOR IFR SERIES

Protective caps are always recommended to protect the couplings from damage, dirt inclusion, and will increase the product life. This is particularly important in agricultural applications where exposure to weather and aggregate materials are common.

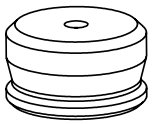
Metallic plug for female and plastic cap for male are included with the IFR couplings.

- The plug for female coupling is in carbon steel Cr III zinc plated.
- The standard color of plastic cap for male coupling is Yellow.
- Temperature range: from -20°C to +100°C.

Cap for MALE coupling
Yellow plastic



Plug for FEMALE coupling
Carbon steel



Protective Cap			
Body Size/Description		Part Number	
		Metallic plug for Female	Plastic cap for Male
3/8”	IFR8	815701120	814901027

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