





Technical specifications and options



Interchange ISO 16028



Sealing description Nitrile NBR



Connection system Push











Available threads METRIC



Operating pressure Up to 330 bar



Locking mechanism Locking ball



Flow rate Up to 148 l/min



Temperature -20°C / +100°C



Valving style



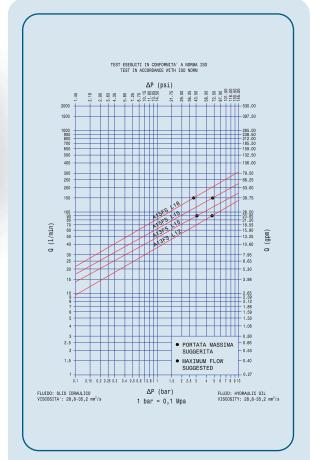
Connection under pressure Not allowed

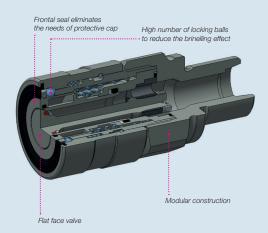
Benefits

- Patented front seal prevents dirt particles from entering the circuit, eliminating the need for protective caps.
- 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.
- Internal valve design creates minimal pressure drop, maintaining circuit efficiency in the system.
- The modular design allows flexibility with a wide range of configurations.
- Zn-Ni plating ensures high resistace to corrosion
- Good resistance to pressure impulses.
- Compact slim design.
- Safe and simple to use.

How to use

- Before to connect, 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.
- To disconnect push back the sleeve.
- 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 match the safety lock ball and pull back the sleeve.





MAIN APPLICATIONS







Performances

Siz	ze	ISO Size	Series	Max. flow suggested		Connec	ct force	Disconn	Spillage*		
in		mm (ISO)		l/min	GPM	N	lbf	N	lbf	ml	
1/2	2"	12,5	A13FS	90	23,85	200	44,96	65	14,61	0,02	
5/8	3"	16,0	A15FS	148	39,22	240	53,95	97	21,81	0,03	

Ci		Max.	operati	ing pre	ssure	Burst pressure						
Size	Series	Cou	pled	Fen	nale	Cou	pled	Female				
in mm (ISO)		MPa	psi	MPa	psi	MPa	psi	MPa	psi			
1/2" 12,5	A13FS	33	4785	33	4785	100	14500	100	14500			
5/8" 16,0	A15FS	33	4785	33	4785	100	14500	100	14500			

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

Tests performed:

The couplings have been tested according to ISO norm. The couplings coupled have been tested at max. operating pressure for 1.000.000 impulses. The couplings uncoupled have been tested at max. operating pressure for 100.000 impulses.

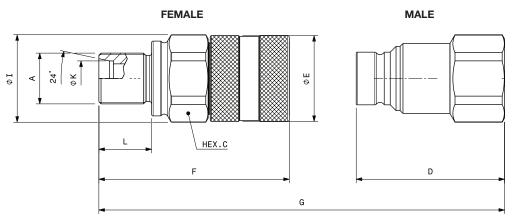
Different possible configurations:

Different threads available upon request.

Temperature range:

Standard seals in NBR, PUR, POM: from -20 °C to +100 °C (from -4 °F to +212 °F). Please read carefully Instructions and warnings for proper selection of the products.

Overall dimensions



Standard male for dimensions please refer to "A" series

Port description: MALE THREAD L SERIES -24° CONE BULKHEAD (ISO 8434-1 & DIN 2353)

BODY	Description	Item Number	ISO	Port (A)	Overall length			Length		Hex		.	Diameter		r Diamet		eter I		Diameter		Length		
SIZE	Description	Item Number	DN	FUIT (A)		mm	in		mm in		mm in		in	mm in		mm in			mm in		mm in		kg lb
1/2"	F A13FS L12 SCHOTT	Female 804210008	12,5	M18X1.5	G	(F+D)-17,3	(F+D)-0,68	F	98,1	3,86	c :	36,0	1,42	40,	0 1,57	E 39,5	1,56	K	12	0,47	L 30,0	1,18	0,49 1,0
1/2"	F A13FS L15 SCHOTT	Female 804210010	12,5	M22X1.5	G	(F+D)-17,3	(F+D)-0,68	F	95,1	3,74	C :	36,0	1,42	40,	1,57	E 39,5	1,56	K	15	0,59	L 27,0	1,06	0,51 1,1
5/8"	F A15FS L15 SCHOTT	Female 804210006	16,0	M22X1.5	G	(F+D)-17,6	(F+D)-0,69	F	97,5	3,84	C 4	41,0	1,61	44,	3 1,76	E 44,0	1,73	K	15	0,59	L 27,0	1,06	0,65 1,4
5/8"	F A15FS L18 SCHOTT	Female 804210004	16,0	M26X1.5	G	(F+D)-17,6	(F+D)-0,69	F	97,5	3,84	C	41,0	1,61	44,	3 1,76	E 44,0	1,73	K	18	0,71	L 27,0	1,06	0,66 1,4

Important

All codes shown in the table are not provided with safety lock ball

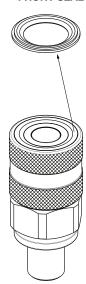




Spare kit

Repair kit/ OR+BK										
Body size	Description	Part number								
1/2"	F A13FS	815701353								
5/8"	F A15FS	815701354								

FRONT SEAL







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 female 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 operating 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 product 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.

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