

# 3FFH

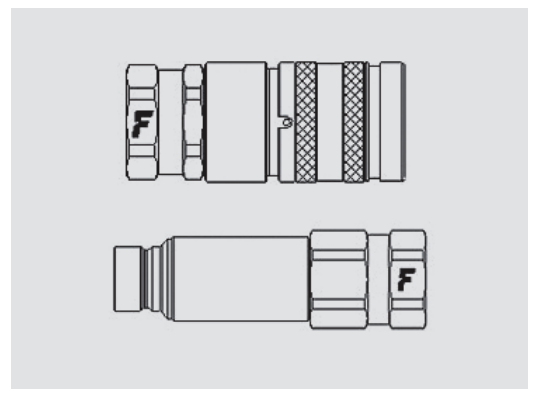


## Flat face couplings, ISO 16028, connection under pressure.

Flat face couplings, connectable under residual pressure. Real 35 MPa (5076 psi) max working pressure. ISO 16028 interchange. Zinc-Nickel plating. It is possible to couple either a 3FFH female half under pressure with a FFH male half, or a 3FFH male half under pressure with a FFH female half.



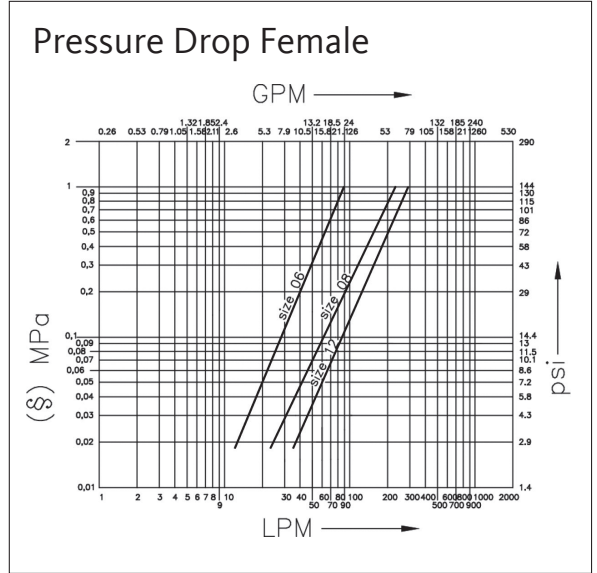
## Applications



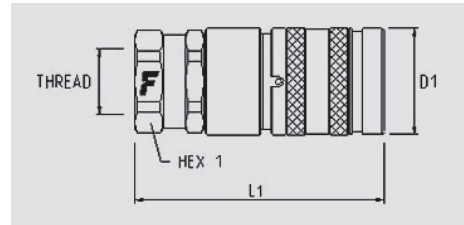
## Technical Specifications (referred to male only)

dash	Size		Working Pressure (MPa)	Flow Rate (l/min)	Spillage (ml)	Force to Connect (N)	Burst pressure (MPa)		
	mm	inch					Male	Female	Male + Female
06	10	3/8"	35	35	0,008	190	140	140	140
08	12,5	1/2"	35	65	0,01	200	140	140	140
10	16	5/8"	35	97	0,02	210	140	140	140
12	10	3/4"	35	115	0,02	220	140	140	140

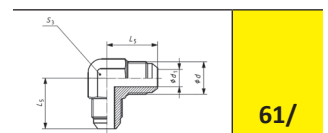
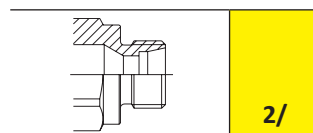
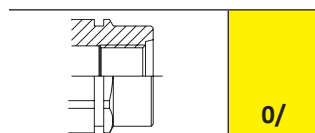
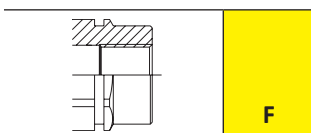
Material	<b>Steel</b>
Seals	<b>NBR; PUR</b>
Working temperatures	<b>- 25 °C to + 100 °C</b>
Surface treatment	<b>MATE 1000 (ZnNi)</b>
Series Interchange	<b>ISO 16028</b>
Valve Type	<b>Flat</b>
Connection	<b>Push to Connect</b>
Disconnection	<b>Sleeve Retraction</b>
Connection Under Pressure	<b>Allowed Male Half up to W.P.</b>



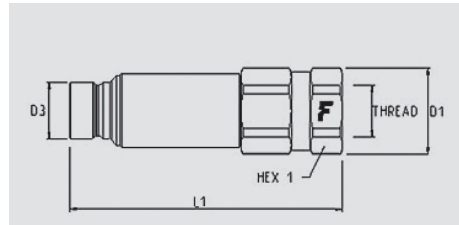
# 3FFH



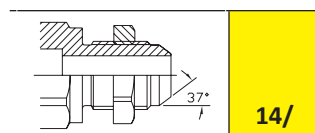
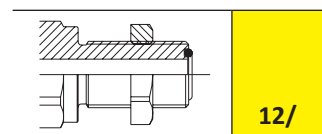
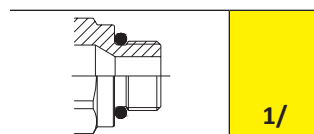
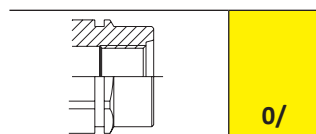
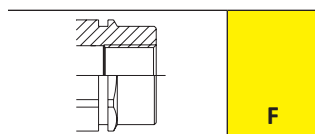
Size		Thread details			FEMALE						
inch	mm	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		HEX1	
						mm	inch	mm	inch	mm	inch
3/8"	10	O2/ METRIC	ISO 8434-1-L	M22x1,5 MALE 15L	3FFH06-2/2215F	81,9	3,22	30	1,18	27	1,06
3/8"	10	F BSPP	ISO 1179-1	BSPP 3/8 FEMALE	3FFH06 38GAS F	75	2,95	30	1,18	27	1,06
1/2"	12,5	O/ SAE	ISO 11926-1	1-1/16"-12 UN FEMALE ORB	3FFH08 34SAE FA	86,8	3,42	38	1,5	34	1,34
1/2"	12,5	O/ SAE	ISO 11926-1	7/8"-14 UNF FEMALE ORB	3FFH08 58SAE F	81,3	3,2	38	1,5	34	1,34
1/2"	12,5	61/ SAE	ISO 8434-2	1-1/16"-12 UN 90° MALE	3FFH08-61/34SFS	100,8	3,97	38	1,5	34	1,34
1/2"	12,5	61/ SAE	ISO 8434-2	9/16"-18 UN 90° MALE	3FFH08-61/38SFS	100,8	3,97	38	1,5	34	1,34
1/2"	12,5	F BSPP	ISO 1179-1	BSPP 1/2 FEMALE	3FFH08 12GAS F	81,3	3,2	38	1,5	34	1,34
1/2"	12,5	F NPTF	ANSI B1.20.3	NPTF 1/2 FEMALE	3FFH08 12NPT F	81,3	3,2	38	1,5	34	1,34
3/4"	20	F BSPP	ISO 1179-1	BSPP 3/4 FEMALE	3FFH12 34GAS F	100	3,94	48	1,89	42	1,65
3/4"	20	F NPTF	ANSI B1.20.3	NPTF 1 FEMALE	3FFH12 1NPT F	104	4,09	48	1,89	42	1,65



# 3FFH



Size		Thread details			MALE									
inch	mm	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		D3		HEX1		
						mm	inch	mm	inch	mm	inch	mm	inch	
3/8"	10	O/ SAE	ISO 11926-1	3/4"-16 UNF FEMALE ORB	3FFH06 12SAE M	100,3	3,95	33	1,3	19,7	0,78	30	1,18	
3/8"	10	F BSPP	ISO 1179-1	BSPP 1/2 FEMALE	3FFH06 12GAS M	101,8	4,01	33	1,3	19,7	0,78	30	1,18	
3/8"	10	F BSPP	ISO 1179-1	BSPP 3/8 FEMALE	3FFH06 38GAS M	96,8	3,81	30	1,18	19,7	0,78	30	1,18	
3/8"	10	F NPTF	ANSI B1.20.3	NPTF 3/8 FEMALE	3FFH06 38NPT M	96,8	3,81	33	1,3	19,7	0,78	30	1,18	
1/2"	12,5	O/ SAE	ISO 11926-1	1-1/16"-12 UN FEMALE ORB	3FFH08 34SAE M	121,7	4,79	37	1,46	24,5	0,96	34	1,34	
1/2"	12,5	O/ SAE	ISO 11926-1	3/4"-16 UNF FEMALE ORB	3FFH08 12SAE M	115,7	4,56	37	1,46	24,5	0,96	34	1,34	
1/2"	12,5	O/ SAE	ISO 11926-1	7/8"-14 UNF FEMALE ORB	3FFH08 58SAE M	116,7	4,59	37	1,46	24,5	0,96	34	1,34	
1/2"	12,5	12/ SAE	ISO 8434-3	1-3/16"-12 UN MALE BULKHEAD ORFS	3FFH08-12/34S M	146,2	5,76	37	1,46	24,5	0,96	34	1,34	
1/2"	12,5	12/ SAE	ISO 8434-3	1"-14 UNS MALE BULKHEAD ORFS	3FFH08-12/58S M	144,7	5,7	37	1,46	24,5	0,96	34	1,34	
1/2"	12,5	14/ SAE	ISO 8434-2	1-1/16"-12 UN MALE BULKHEAD JIC	3FFH08-14/34S M	149,1	5,87	37	1,46	24,5	0,96	34	1,34	
1/2"	12,5	14/ SAE	ISO 8434-2	1-1/16"-12 UN MALE BULKHEAD JIC	3FFH08-14/34SMB	149,1	5,87	37	1,46	24,5	0,96	34	1,34	
1/2"	12,5	14/ SAE	ISO 8434-2	3/4"-16 UN MALE BULKHEAD JIC	3FFH08-14/12S M	140,8	5,54	37	1,46	24,5	0,96	34	1,34	
1/2"	12,5	14/ SAE	ISO 8434-2	7/8"-14 UNF MALE BULKHEAD JIC	3FFH08-14/58S M	144,3	5,68	37	1,46	24,5	0,96	34	1,34	
1/2"	12,5	F BSPP	ISO 1179-1	BSPP 1/2 FEMALE	3FFH08 12GAS M	115,7	4,56	37	1,46	24,5	0,96	34	1,34	
1/2"	12,5	F BSPP	ISO 1179-1	BSPP 3/4 FEMALE	3FFH08 34GAS M	118,7	4,67	37	1,46	24,5	0,96	34	1,34	
1/2"	12,5	F NPTF	ANSI B1.20.3	NPTF 1/2 FEMALE	3FFH08 12NPT M	117,7	4,63	37	1,46	24,5	0,96	34	1,34	
5/8"	16	O/ SAE	ISO 11926-1	1-1/16"-12 UN FEMALE ORB	3FFH10 34SAE M	126,8	4,99	45	1,77	27	1,06	41	1,61	
5/8"	16	F NPTF	ANSI B1.20.3	NPTF 3/4 FEMALE	3FFH10 34NPT M	123,8	4,87	45	1,77	27	1,06	41	1,61	
3/4"	20	O/ SAE	ISO 11926-1	1-1/16"-12 UN FEMALE ORB	3FFH12 34SAE M	128,4	5,06	46	1,81	29,95	1,18	42	1,65	
3/4"	20	O1/ SAE	ISO 11926-3	1-1/16"-12 UN MALE	3FFH12-1/34S M	128	5,04	46	1,81	29,95	1,18	42	1,65	
3/4"	20	F BSPP	ISO 1179-1	BSPP 1 FEMALE	3FFH12 1GAS M	128,4	5,06	46	1,81	29,95	1,18	42	1,65	
3/4"	20	F BSPP	ISO 1179-1	BSPP 3/4 FEMALE	3FFH12 34GAS M	128,4	5,06	46	1,81	29,95	1,18	42	1,65	



# 3FFH accessories

## PVC dust caps



**Caps suitable for FEMALE**



**Caps suitable for FEMALE**

Size			Cap Details		Size			Plug Details	
inch	mm	dash	Part number	Colour	inch	mm	dash	Part number	Colour
3/8"	10	06	TMF 38	orange	1/2"	12,5	08	TM 2FI12	orange
3/8"	10	06	TMF 38 B	blue	1/2"	12,5	08	TM 2FI12 N	black
3/8"	10	06	TMF 38 G	yellow	3/4"	20	12	TM 2FI34	orange
3/8"	10	06	TMF 38 N	black	3/4"	20	12	TM 2FI34 N	black
3/8"	10	06	TMF 38 R	red	3/4"	20	12	TM 2FI34 R	red
3/8"	10	06	TMF 38 V	green					

## Aluminium dust caps



**Caps suitable for FEMALE**



**Caps suitable for MALE**

Size			Cap Details		Size			Cap Details	
inch	mm	dash	Part number	Colour	inch	mm	dash	Part number	Colour
3/8"	10	06	TM 2FN38 S		3/8"	10	06	TF 2FN38 S	
1/2"	12,5	08	TM 2FI12 S		1/2"	12,5	08	TF 2FI12 S	
3/4"	20	12	TM 2FI34 S		3/4"	20	12	TF 2FI34 S	

## PVC dust caps



Caps suitable for MALE

Size			Cap Details	
inch	mm	dash	Part number	Colour
3/8"	10	06	TFF 38	orange
3/8"	10	06	TFF 38 B	blue
3/8"	10	06	TFF 38 G	yellow
3/8"	10	06	TFF 38 N	black
3/8"	10	06	TFF 38 R	red
3/8"	10	06	TFF 38 V	green
1/2"	12,5	08	TF 2FI12	orange
1/2"	12,5	08	TF 2FI12 B	blue
1/2"	12,5	08	TF 2FI12 N	black
1/2"	12,5	08	TF 2FI12 R	red
5/8"	16	10	TF 2FI58	orange
3/4"	20	12	TF 2FI34	orange
3/4"	20	12	TF 2FI34 N	black
3/4"	20	12	TF 2FI34 R	red

## Acetal Resin (POM) dust caps



Caps suitable for FEMALE

Size			Cap Details	
inch	mm	dash	Part number	Colour
3/8"	10	06	TAF 38	blue
3/8"	10	06	TAF 38 G	yellow
3/8"	10	06	TAF 38 M UV	brown
3/8"	10	06	TAF 38 N	black
3/8"	10	06	TAF 38 R	red
3/8"	10	06	TAF 38 R UV	red
3/8"	10	06	TAF 38 UV	blue
3/8"	10	06	TAF 38 V	green
3/8"	10	06	TAF 38 V UV	green