

Features

- Can be used in many applications.
- Strong simple construction designed for repetitive high usage.
- Wide range available.
- Simple structure, high rigidity.
- Reduce the requirement of concentricity between the cylinder and the other connected component.

Cautions

- Do not use on universal joint.
- Do not disassemble.
- Lubricant required.
- Usage temperature +5~+60°C
- Do not use the end of the thread of the connecting rod.

Order example

MFC – 1012 T – M12×1.5

MODEL

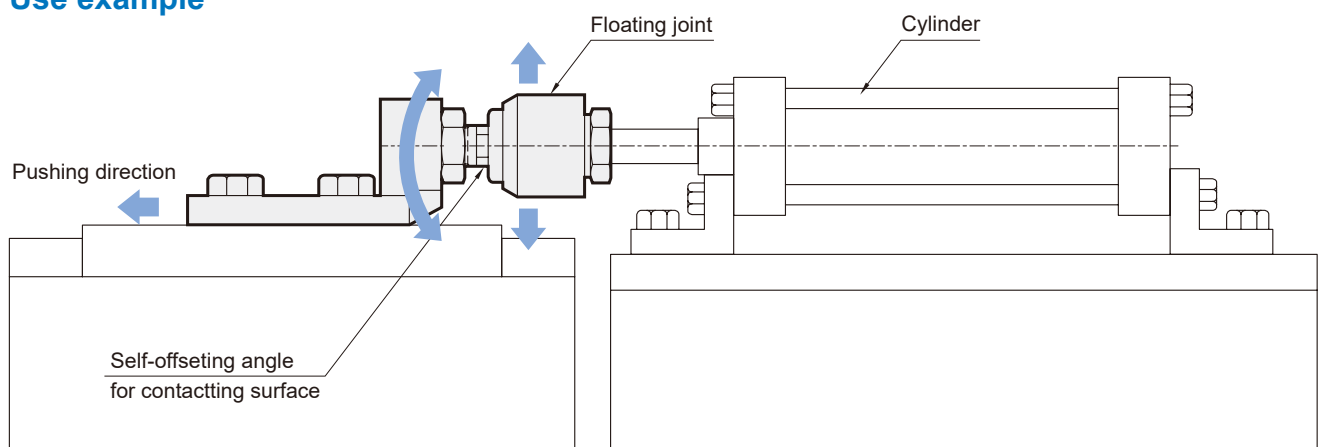
THREAD
SIZE

TYPE

T: Standard type
S: Short type
F: FAC type
L: LB type

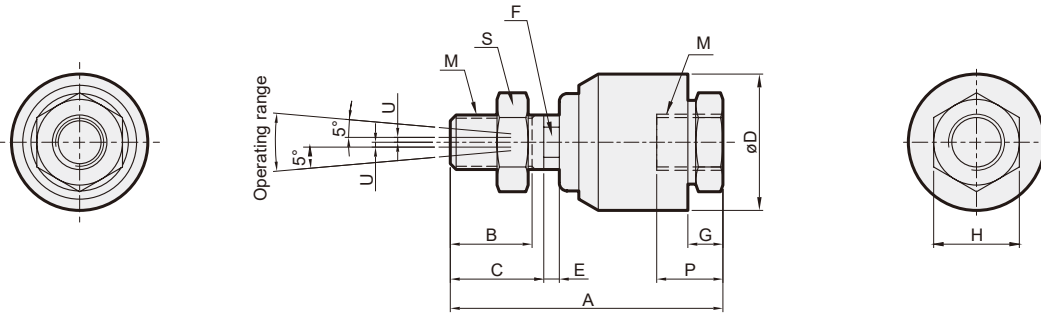
* Thread size M.

Use example



STANDARD CYLINDER FLOATING JOINT

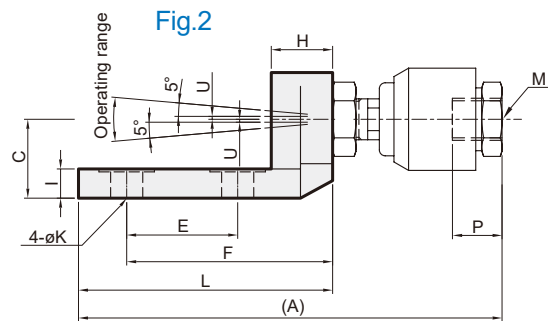
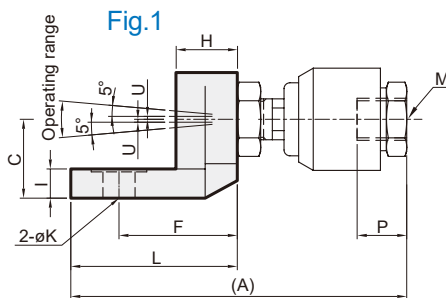
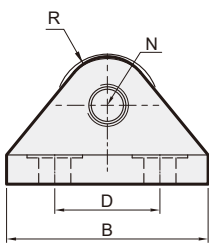
T



Model	Applicable cyl. dia. (mm)	A		B		C	øD	E	F	G	H	M	P		S	Permissible U deviation	Rot. angle	Permissible pressure	Maximum operating tension and compression force (N)	Weight (g)
		DIM.	TOL.	DIM.	TOL.								DIM.	TOL.						
MFC-1003T	6	24.5	±0.5	7	±0.5	8	12	2	□3	3.5	8	M3×0.5	7	±0.5	M3×0.5×H2.5×B6	0.5	±5°	0.7MPa (max.) Pneumatic	19	10
MFC-1004T	8	26		8		9	12	2	□4	4	8	M4×0.7	7		M4×0.7×H3.5×B8				54	10
MFC-1005T	10,15	38	±1.0	14	±1.0	15	18	3	□5	5	10	M5×0.8	8.5	±1.0	M5×0.8×H4×B8	0.75	±5°	3.5MPa (max.) Pneumatic/Hydraulic	123	20
MFC-1006T	15	38		14		15	18	3	□6	5	10	M6×1.0	8.5		M6×1.0×H5×B10				123	20
MFC-1008T	20	50	±1.0	18	±1.0	20	24	4	□8	7	13	M8×1.25	12	±1.0	M8×1.25×H6×B13	1	±5°	3.5MPa (max.) Pneumatic/Hydraulic	1100	90
MFC-1010T	25,30	61		20		22	26	5	□10	8	17	M10×1.25/1.5	14		M10×1.25/1.5×H6×B17				2500	110
MFC-1012T	40	58	±2.0	20	±2.0	22	28	5	□12	8	17	M12×1.25/1.5/1.75	12	±2.0	M12×1.25/1.5/1.75×H7×B19	1	±5°	3.5MPa (max.) Pneumatic/Hydraulic	4400	110
MFC-1014T	40	70		21		24	35	7	□14	9	22	M14×1.5	17		M14×1.5×H8×B22				6000	250
MFC-1016T	50,63	90	±2.0	26	±2.0	28	45	9	□18	13.5	27	M16×1.5	23	±2.0	M16×1.5×H8×B23	1.25	±5°	3.5MPa (max.) Pneumatic/Hydraulic	11000	500
MFC-1018T	50,63	90		26		28	45	9	□18	13.5	27	M18×1.5	23		M18×1.5×H8×B24				11000	500
MFC-1020T	80	103	±2.0	30	±2.0	32	50	8	□22	16	32	M20×1.5	27	±2.0	M20×1.5×H8.5×B30	2	±5°	3.5MPa (max.) Pneumatic/Hydraulic	18000	720
MFC-1022T	80	103		30		32	50	8	□22	16	32	M22×1.5	27		M22×1.5×H10×B32				18000	720
MFC-1024T	100	123	±2.0	38	±2.0	38	61	12	□26	19	41	M24×1.5	33	±2.0	M24×1.5×H11×B35.5	2.5	±5°	3.5MPa (max.) Pneumatic/Hydraulic	28000	1300
MFC-1026T	100	123		38		38	61	12	□26	19	41	M26×1.5	33		M26×1.5×H11×B35				28000	1300
MFC-1027T	125	154	±2.0	56	±2.0	58	63.5	19	□29	20	41	M27×2.0	33	±2.0	M27×2.0×H10×B50	3	±5°	3.5MPa (max.) Pneumatic/Hydraulic	28000	1620
MFC-1030T	125,140	154		56		58	63.5	19	□29	20	41	M30×1.5/2.0/3.5	33		M30×1.5/2.0/3.5×H10×B46				54000	1610
MFC-1036T	140,160	184	±2.0	69	±2.0	70	75	20	□35	23	50	M36×1.5/2.0	42	±2.0	M36×1.5/2.0×H10×B50	4	±5°	3.5MPa (max.) Pneumatic/Hydraulic	71000	2820
MFC-1039T	140,160	184		69		70	75	20	□35	23	50	M39×1.5	42		M39×1.5×H10×B50				71000	2820
MFC-1040T	160	194	±2.0	74	±2.0	74	85	15	□43	25	69	M40×1.5/2.0	40	±2.0	M40×1.5/2.0×H12×B65	5	±5°	3.5MPa (max.) Pneumatic/Hydraulic	71000	4300
MFC-1045T	160	194		74		74	85	15	□43	25	69	M45×1.5/2.0	40		M45×1.5/2.0×H12×B65				71000	4300
MFC-1050T	160	210	±2.0	70	±2.0	70	105	16	□53	35	85	M50×2.0	55	±2.0	M50×2.0×H13×B65	6	±5°	3.5MPa (max.) Pneumatic/Hydraulic	80000	6980

L

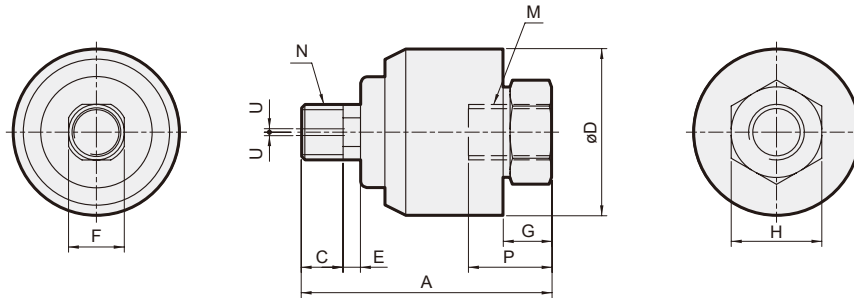
With T type floating joints.



Model	A	B	C	D	E	F	H	I	K	L	R	M	N	P		Illustration fig no.	Permissible U deviation	Rot. angle	Weight (g)
														DIM.	TOL.				
MFC-1008L	68	44	15	26	-	19	11	4	9	29	9	M8×1.25	M8×1.25	12	±1.0	Fig.1	0.5	±0.5°	150
MFC-1010L	84	44	19	26	-	24	12	5	9	35	10	M10×1.25/1.5	M10×1.25/1.5	14			0.75		200
MFC-1012L	81	44	19	26	-	24	12	5	9	35	10	M12×1.25/1.5/1.75	M12×1.25/1.5/1.75	12	±2.0	Fig.2	1	±0.5°	200
MFC-1014L	114	69	22	36	-	40.5	21	10	14	56	15	M14×1.5	M14×1.5	17			1.25		600
MFC-1016L	163	61	28	32	32	76	32	15	11	90	17	M16×1.5	M18×1.5	23	±2.0	Fig.2	2	±0.5°	1150
MFC-1018L	163	61	28	32	32	76	32	15	11	90	17	M18×1.5	M18×1.5	23			2		1150
MFC-1020L	193	68	35	36	36	89	40	20	14	109	21	M20×1.5	M22×1.5	27	±2.0	Fig.2	2.5	±0.5°	1900
MFC-1022L	193	68	35	36	36	89	40	20	14	109	21	M22×1.5	M22×1.5	27			2		1900
MFC-1024L	214	69	42	36	36	95	45	20	14	113	21	M24×1.5	M26×1.5	33	±2.0	Fig.2	2.5	±0.5°	2800
MFC-1026L	214	69	42	36	36	95	45	20	14	113	21	M26×1.5	M26×1.5	33			2		2800

STANDARD CYLINDER FLOATING JOINT

S



Model	Applicable cyl. dia. (mm)	A		C		ϕD	E	F	G	H	P		M	N	Permissible U deviation	Rot. angle	Maximum operating tension and compression force (N)	Weight (g)
		DIM.	TOL.	DIM.	TOL.						DIM.	TOL.						
MFC-1008S	20	36		6		24	4	□8	6.5	13	12		M8×1.0/1.25	M8×1.0/1.25	0.5	±0.5°	1100	60
MFC-1010S	25,30	48	±1.0	9	±1.0	26	5	□10	8	17	14	±1.0	M10×1.25/1.5	M10×1.25/1.5	0.75		2500	97
MFC-1012S	40	46		9		28	5	□12	8	17	12		M12×1.25/1.5	M12×1.25/1.5			4400	100
MFC-1014S	40	59		11		35	7	□14	9	22	17		M14×1.5	M14×1.5	1		6000	220
MFC-1016S	50,63	77	±2.0	13	±2.0	45	9	□18	13	27	23	±2.0	M16×1.5	M18×1.5	1.25		11000	480
MFC-1018S	50,63	77		13		45	9	□18	13	27	23		M18×1.5	M18×1.5			11000	480
MFC-1020S	80	90		18		50	10	□22	16	32	27		M20×1.5	M20×1.5	2		18000	660
MFC-1022S	80	90		18		50	10	□22	16	32	27		M22×1.5	M20×1.5			18000	660
MFC-1024S	100	107		20		60	12	□26	19	41	33		M24×1.5	M26×1.5	2.5		28000	1190
MFC-1026S	100	107		20		60	12	□26	19	41	33		M26×1.5	M26×1.5			28000	1180
MFC-1027S	125	117		20		63.5	19	□29	20	41	33		M27×2.0	M30×1.5	3		28000	1380
MFC-1030S	125,140	117		20		63.5	19	□29	20	41	33		M30×1.5/2.0/3.5	M30×1.5/2.0/3.5			36000	1420
MFC-1036S	140,160	133		25		75	20	□35	22	50	40		M36×1.5/2.0	M36×1.5/2.0	3		55000	2800
MFC-1045S	140,160	147		29		85	15	□43	24.5	69	39		M45×1.5/2.0	M45×1.5/2.0			55000	4300

F

With S type floating joints.

Fig.1

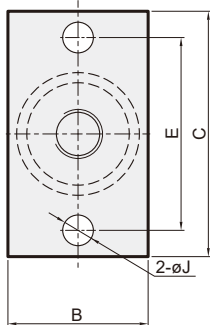
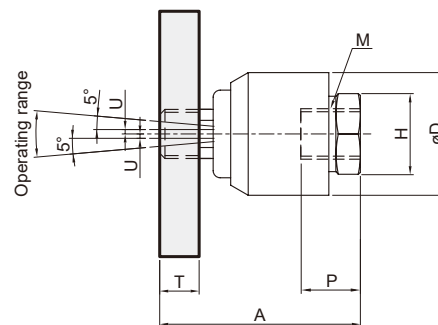
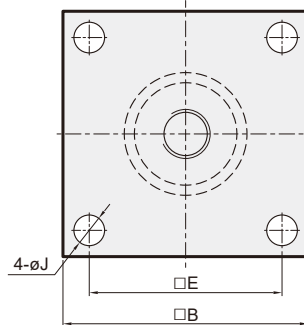


Fig.2



Model	A		B	C	ϕD	E	H	J	T	M	P		Illustration fig no.	Permissible U deviation	Rot. angle	Permissible pressure	Weight (g)
	DIM.	TOL.									DIM.	TOL.					
MFC-1008F	36		25	52	24	40	13	6.6	6	M8×1.0/1.25	12	±1.0	Fig.1	0.5	±0.5°	3.5MPa (max.) Pneumatic / Hydraulic	130
MFC-1010F	48	±1.0	32	56	26	44	17	6.6	9	M10×1.25/1.5	14			0.75			235
MFC-1012F	46		32	56	28	44	17	6.6	9	M12×1.25/1.5	12			1			240
MFC-1014F	59	38	80	35	60	22	11	11.6	M14×1.5	17	1.25			510			
MFC-1016F	77	±2.0	74	-	45	45	27	11	15	M16×1.5	23	±2.0	Fig.2	2			1120
MFC-1018F	77		74	-	45	45	27	11	15	M18×1.5	23			1.25			1120
MFC-1020F	90		100	-	50	62	32	14	21	M20×1.5	27	±2.0	Fig.2	2			2280
MFC-1022F	90	100	-	50	62	32	14	21	M22×1.5	27	2.5						2280
MFC-1024F	107		100	-	60	70	41	14	21	M24×1.5	33	±2.0	Fig.2	2.5			2870
MFC-1026F	107	100	-	60	70	41	14	21	M26×1.5	33	3070						
MFC-1027F	117		100	-	63.5	70	41	14	21	M27×2.0	33	±2.0	Fig.2	3			3070
MFC-1030F	117	100	-	63.5	70	41	14	21	M30×1.5/2.0/3.5	33	5790						
MFC-1036F	133		130	-	75	95	50	16	25	M36×1.5/2.0	40	±2.0	Fig.2	3			5790
MFC-1045F	147	160	-	85	110	69	16	22	M45×1.5/2.0	39	8600						