



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

* Thread size M.

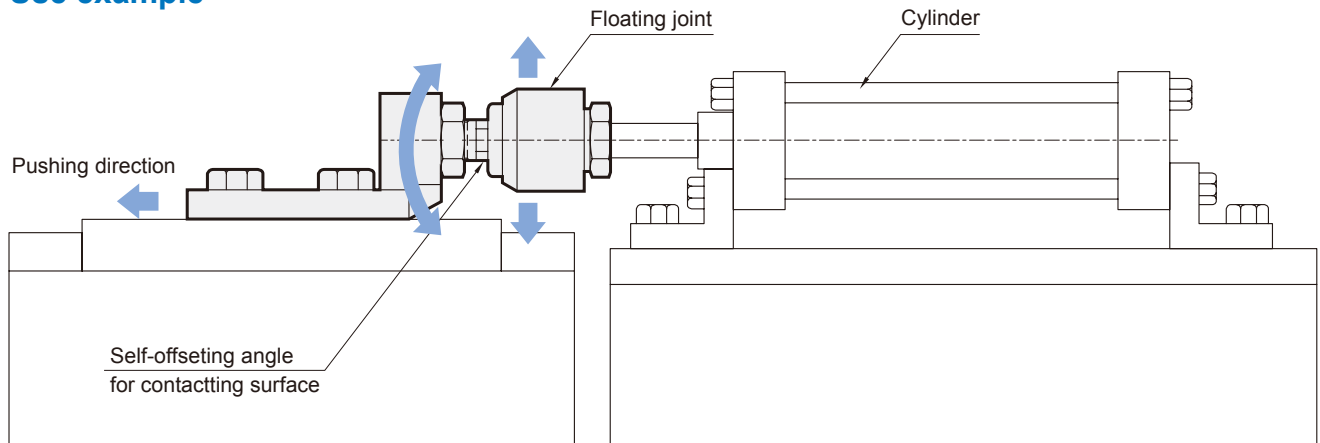
MODEL

THREAD
SIZE

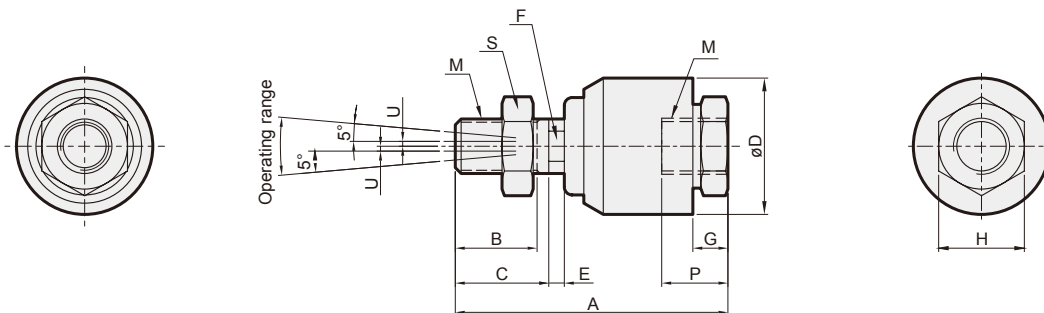
TYPE

T: Standard type
S: Short type
F: FAC type (for T type)
L: LB type (for S type)

Use example



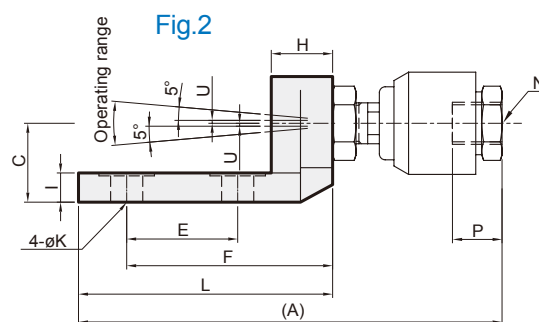
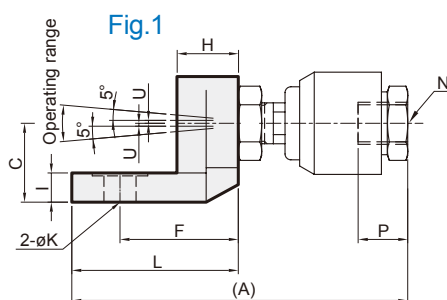
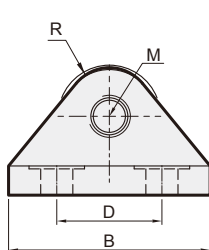
T



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				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		18		20	24	4	⊜8	7	13	M8×1.25	12		M8×1.25×H6×B13	0.75		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	20	22	28	5	⊜12	8	17	M12×1.25/1.5/1.75	12	M12×1.25/1.5/1.75×H7×B19	4400	110							
MFC-1014T	40	70	21	24	35	7	⊜14	9	22	M14×1.5	17	M14×1.5×H8×B22	1	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		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		30		32	50	8	⊜22	16	32	M20×1.5	27		M20×1.5×H8.5×B30				2	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	38	38	61	12	⊜26	19	41	M24×1.5	33	M24×1.5×H11×B35.5	2.5	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			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		69		70	75	20	⊜35	23	50	M36×1.5/2.0	42		M36×1.5/2.0×H10×B50				4	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			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		70		70	105	16	⊜53	35	85	M50×2.0	55		M50×2.0×H13×B65	6			80000	6980	

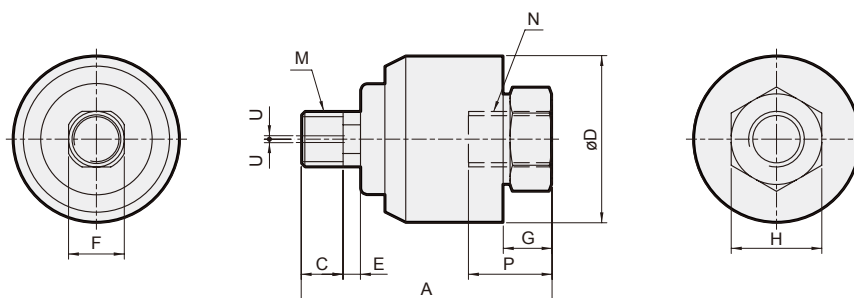
L

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			200		
MFC-1014L	114	69	22	36	—	40.5	21	10	14	56	15	M14×1.5	M14×1.5	17			600		
MFC-1016L	163	61	28	32	32	76	32	15	11	90	17	M18×1.5	M16×1.5	23	±2.0	Fig.2	1.25	±0.5°	1150
MFC-1018L	163	61	28	32	32	76	32	15	11	90	17	M18×1.5	M18×1.5	23			1150		
MFC-1020L	193	68	35	36	36	89	40	20	14	109	21	M22×1.5	M20×1.5	27			1900		
MFC-1022L	193	68	35	36	36	89	40	20	14	109	21	M22×1.5	M22×1.5	27			1900		
MFC-1024L	214	69	42	36	36	95	45	20	14	113	21	M26×1.5	M24×1.5	33			2800		
MFC-1026L	214	69	42	36	36	95	45	20	14	113	21	M26×1.5	M26×1.5	33			2800		

S



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

F

With S type floating joints.

Fig.1

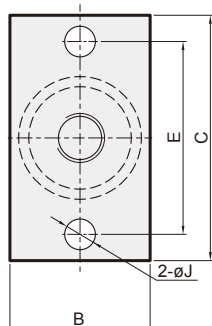
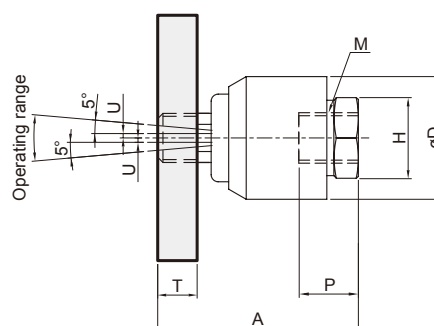
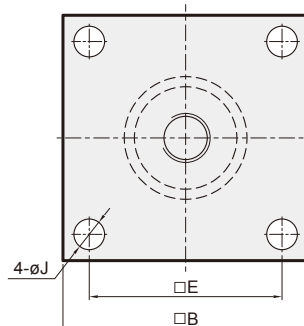


Fig.2



Model	A		B	C	øD	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	±1.0	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		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			0.75			240
MFC-1014F	59		38	80	35	60	22	11	11.6	M14×1.5	17			1			510
MFC-1016F	77	±2.0	74	—	45	45	27	11	15	M16×1.5	23	±2.0	Fig.2	1.25			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			2280
MFC-1022F	90		100	—	50	62	32	14	21	M22×1.5	27			2			2280
MFC-1024F	107		100	—	60	70	41	14	21	M24×1.5	33			2.5			2870
MFC-1026F	107		100	—	60	70	41	14	21	M26×1.5	33						2870
MFC-1027F	117		100	—	63.5	70	41	14	21	M27×2.0	33						3070
MFC-1030F	117		100	—	63.5	70	41	14	21	M30×1.5/2.0/3.5	33			3			3070
MFC-1036F	133		130	—	75	95	50	16	25	M36×1.5/2.0	40						5790
MFC-1045F	147		160	—	85	—	69	16	22	M45×2.0	39						—