

Floating Joints Integrated Type

Extra Short Threaded Stud Mount

Lateral - Tapped
FJX
FJXS

Lateral - Threaded
FJMX
FJMXS

Lateral, Angular - Tapped
FJCX
FJCLS

Lateral, Angular - Threaded
FJCMX
FJCMXS

Lateral Misalignment Structure Diagram

Lateral, Angular Misalignment Structure Diagram

* Threaded Type has the same structure.

Type		Main Body / Cover		Joint		Spring		Washer				
Lateral Misalignment	Lateral, Angular Misalignment	M	S	M	S	H	M	M	S	H		
Tapped	Threaded	Tapped	Threaded	M <td>S<td>H<td>M<td>M<td>S<td>H</td></td></td></td></td></td>	S <td>H<td>M<td>M<td>S<td>H</td></td></td></td></td>	H <td>M<td>M<td>S<td>H</td></td></td></td>	M <td>M<td>S<td>H</td></td></td>	M <td>S<td>H</td></td>	S <td>H</td>	H		
FJX	FJMX	FJCX	FJCMX	S45C Equivalent	Black Oxide	S45C Equivalent	Black Oxide	35~45HRC	SUS304-WPB	SUS304	Nitriding Treatment	500HV~
FJXS	FJMXS	FJCLS	FJCMXS	SUS304	-	SUS420J2(SUS440C)	-	-	-	-	-	-

Material in () is for Lateral, Angular Misalignment Type

Floating Connectors - Extra Short Threaded Stud Mount - Tapped (for Threaded Cylinder)

Part Number	L	L1	L2	L3	L4	A	B	D	Allowable Misalignment U	Axial backlash (Reference value)	Maximum Applied Tensile / Compression Force (N)	Mass (g)	Unit Price
Type	M-Pitch												FJX FJXS
Tapped Type FJX FJXS	5-0.8	9	6	16.5	5	4.1	7	17	18.5	0.5	150	20	
	6-1.0										1100	40	
	8-1.25	11	8.5	21	6	5.2	10	22	24		2500	85	
	10-1.25	13.5	10	24.5	7	6	12	27	29.5		6000	190	
	14-1.5	18	11	30	8	7	17	36	39		11000	390	
	18-1.5	20	13	37	9.5	8.5	22	46	50				

Floating Joints - Extra Short Threaded Stud Mount Type with Angular Misalignment Compensation - Tapped (for Threaded Cylinder)

Part Number	L	L1	L2	L3	L4	A	B	D	Allowable Misalignment U	Allowable Angular Deviation A°	Axial backlash (Reference value)	Maximum Applied Tensile / Compression Force (N)	Mass (g)	Unit Price
Type	M-Pitch													FJCX FJCLS
Tapped Type FJCX FJCLS	5-0.8	14.9	6	18.5	4.5	4	7	24	26	0.5	4	0.65	150	46
	6-1.0											0.95	1100	66
	8-1.25	17.1	8.5	21	5.5	5	10	27	29			1.1	2500	99
	10-1.25	21.9	10	26	6.5	6	12	30	32			1.4	6000	174
	14-1.5	23.6	11	29	7	7	17	38	40		1			-
											5			

Floating Joints - Extra Short Threaded Stud Mount - Threaded (for Tapped Cylinder)

Part Number	M1	L1	L2	L3	L4	A	B	D	Allowable Misalignment U	Axial backlash (Reference value)	Max. Operating Force (N)	Mass (g)	Unit Price
Type	M-Pitch										Tensile	Compression	FJMX FJMXS
Threaded Type FJMX FJMXS	5-0.8	M8-1.25	6	16.5	5	4.1	7	17	18.5	0.5	300	1100	25
	6-1.0										500	2500	
	8-1.25	M10-1.5	8.5	21	6	5.2	10	22	24		1300	6000	50
	10-1.5	M14-2.0	10	24.5	7	6	12	27	29.5		3100	11000	105

Floating Connectors for Air Cylinders

Floating Joints - Extra Short Threaded Stud Mount Type with Angular Misalignment Compensation - Threaded (for Tapped Cylinder)

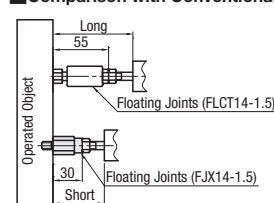
Part Number		M1	L1	L2	L3	L4	L5	A	B	D	Allowable Misalignment U	Allowable Angular Deviation A°	Axial backlash (Reference value)	Max. Operating Force (N)		Mass (g)	Unit Price			
Type	M-Pitch													Tensile	Compression		FJCMX	FJCMXS		
Threaded Type FJCMX FJCMXS	5-0.8	M8-1.25	8.5	18.5	4.5	4	6	7	24	26	0.5	4	0.65	300	1100	50				
	6-1.0															500	2500			
	8-1.25	M10-1.5	10	21	5.5	5	8.5	10	27	29					0.95	1300	6000	76		
	10-1.5	M14-2.0	11	26	6.5	6	10	12	30	32					1.1	3100	11000	121		-

Floating Connectors for Air Cylinders

Ordering Example
Part Number
FJX8-1.25
FJMXS10-1.5



Comparison with Conventional Type



Features

- The distance between cylinder and operated object can be made short.
- Large allowable eccentricity absorbs misalignment.
- For Threaded (for Tapped Cylinder), a thread on the operated object is larger than that on the cylinder to stabilize the strength. (M1 part)

Floating Joints Integrated Type

Extra Short Foot Mount

Angular Misalignment Compensation Type as well as Lateral Misalignment Compensation Type is now available.

Lateral - Tapped
FJXL
FJXLS

Lateral - Threaded
FJMXL
FJMXLS

Lateral, Angular - Tapped
FJCYL
FJCLSL

Lateral, Angular - Threaded
FJCMYL
FJCMYLS

Lateral Misalignment Structure Diagram

Lateral, Angular Misalignment Structure Diagram

* Material in () is for Lateral, Angular Misalignment Type

Type		Main Body / Cover		Joint		Spring		Washer				
Lateral Misalignment	Lateral, Angular Misalignment	M	S	M	S	H	M	M	S	H		
Tapped	Threaded	Tapped	Threaded	M	S	H	M	M	S	H		
FJXL	FJMXL	FJCYL	FJCMYL	S45C Equivalent	Black Oxide	S45C Equivalent	Black Oxide	35~45HRC	SUS304-WPB	SUS304	Nitriding Treatment	500HV~
FJXLS	FJMXLS	FJCLSL	FJCMYLS	SUS304	-	SUS420J2(SUS440C)	-	-	-	-	-	-

Floating Connectors - Extra Short Foot Mount - Tapped (for Threaded Cylinder)

Part Number		L1	L2	L3	L4	A	B	C	P	E	d	Allowable Misalignment U	Axial backlash (Reference value)	Maximum Applied Tensile / Compression Force (N)	Mass (g)	Unit Price		
Type	M-Pitch															FJXL	FJXLS	
Tapped Type FJXL FJXLS	5-0.8	9	22	5	4.1	7	17(19)	17	9	4	4.5	0.5	0.5	150	30(40)			
	6-1.0													1100	65			
	8-1.25	11	28	6	5.2	10	22	22	11	5.5	5.5			2500	115			
	10-1.25	13.5	32	7	6	12	26	25	14	6	6.6			6000	260(280)			
	14-1.5	18	40	8	7	17	35(36)	32	20	8	9			0.75	11000	520(555)		
	18-1.5	20	50	9.5	8.5	22	44(45)	40.5	26	10	11			1				

Values in () are for SUS.

Floating Connectors - Extra Short with Lateral and Angular Misalignment Compensation Type - Tapped (for Threaded Cylinder)

Part Number		L1	L2	L3	L4	A	B	C	P	E	d	Allowable Misalignment U	Allowable Angular Misalignment A°	Axial backlash (Reference value)	Maximum Applied Tensile / Compression Force (N)	Mass (g)	Unit Price		
Type	M-Pitch																FJCYL	FJCLXL	
Tapped Type FJCYL FJCLXL	5-0.8	14.9	22.5	4.5	4	7	25	18	9	4	4.5	0.5	4	0.65	150	73			
	6-1.0																		
	8-1.25	17.1	27.5	5.5	5	10	28	22	11	5	5.5			0.95	1100	112			
	10-1.25	21.9	33.5	6.5	6	12	32	27	14	6	6.6			1.1	2500	176		-	

Floating Connectors - Extra Short Foot Mount - Threaded (for Tapped Cylinder)

Part Number											Allowable Misalignment U	Axial backlash (Reference value)	Max. Operating Force (N)		Mass (g)	Unit Price			
Type	M-Pitch	L1	L2	L3	L4	A	B	C	P	E			d	Tensile		Compression	FJMXL	FJMXLS	
Threaded Type FJMXL FJMXLS	5-0.8	6	22	5	4.1	7	17(19)	17	9	4	4.5	0.5	0.2	300	1100	35(45)			
	6-1.0													500	2500				
	8-1.25	8.5	28	6	5.2	10	22	22	11	5.5	5.5			1300	6000				70
	10-1.5	10	32	7	6	12	26	25	14	6	6.6			3100	11000				130

Values in () are for SUS.

Floating Connectors for Air Cylinders

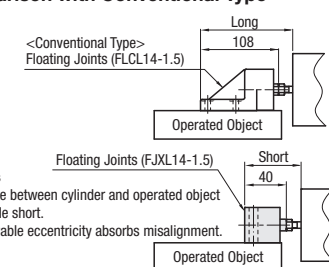
Floating Connectors - Extra Short with Lateral and Angular Misalignment Compensation Type - Threaded (for Tapped Cylinder)

Part Number		L1	L2	L3	L4	A	B	C	P	E	d	Allowable Misalignment U	Allowable Angular Misalignment A°	Axial backlash (Reference value)	Max. Operating Force (N)	Mass (g)	Unit Price
Type	M-Pitch														Tensile	Compression	
Threaded Type FJCMXL	5-0.8	6	22.5	4.5	4	7	25	18	9	4	4.5	0.5	4	0.65	300	1100	76
	6-1.0													500	2500		
	8-1.25	8.5	27.5	5.5	5	10	28	22	11	5	5.5			0.95	1300	6000	120
🔍 Floating Connectors for Air Cylinders																	

Floating Connectors for Air Cylinders

Ordering Example
Part Number
FJXL5-0.8
FJMXL6-1.0

Comparison with Conventional Type



Features

- The distance between cylinder and operated object can be made short.
- Large allowable eccentricity absorbs misalignment.