

Floating Joints Integrated Type

Extra Short Threaded Stud Mount

Lateral - Tapped
FJX
FJXS

Lateral - Threaded
FJMX
FJMXS

Lateral Misalignment Structure Diagram

Lateral, Angular - Tapped
FJCX
FJXCS

Lateral, Angular - Threaded
FJCMX
FJCMXS

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	S45C Equivalent	Black Oxide	S45C Equivalent	Black Oxide	35-45HRC	SUS304-WPB	SUS304	Nitriding Treatment	500HV~
FJX	FJMX	FJCX	FJCMX	FJXS	FJMXS	FJXCS	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	Type	M-Pitch	L	L ₁	L ₂	L ₃	L ₄	A	B	D	Allowable Misalignment U	Axial backlash (Reference value)	Maximum Applied Tensile / Compression Force (N)	Mass (g)	Unit Price					
															FJX	FJXS				
Tapped Type FJX FJXS		5-0.8	9	6	16.5	5	4.1	7	17	18.5	0.5	0.5	150	20						
		6-1.0																		
		8-1.25	11	8.5	21	6	5.2	10	22	24							1100	40		
		10-1.25	13.5	10	24.5	7	6	12	27	29.5							2500	85		
		14-1.5	18	11	30	8	7	17	36	39							6000	190		
		18-1.5	20	13	37	9.5	8.5	22	46	50							11000	390		

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

Part Number	Type	M-Pitch	L	L ₁	L ₂	L ₃	L ₄	A	B	D	Allowable Misalignment U	Allowable Angular Deviation A°	Axial backlash (Reference value)	Maximum Applied Tensile / Compression Force (N)	Mass (g)	Unit Price						
																FJCX	FJXCS					
Tapped Type FJCX FJXCS		5-0.8	14.9	6	18.5	4.5	4	7	24	26	0.5	4	0.65	150	46							
		6-1.0																				
		8-1.25	17.1	8.5	21	5.5	5	10	27	29								0.95	1100	66		
		10-1.25	21.9	10	26	6.5	6	12	30	32								1.1	2500	99		
		14-1.5	23.6	11	29	7	7	17	38	40						1	5	1.4	6000	174		

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

Part Number	Type	M-Pitch	M ₁	L ₁	L ₂	L ₃	L ₄	A	B	D	Allowable Misalignment U	Axial backlash (Reference value)	Max. Operating Force (N)		Mass (g)	Unit Price				
													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	0.2	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)

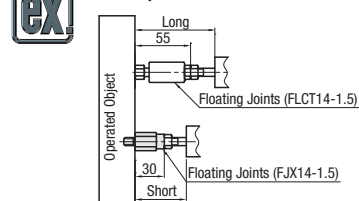
Part Number	Type	M-Pitch	M ₁	L ₁	L ₂	L ₃	L ₄	L ₅	A	B	D	Allowable Misalignment U	Allowable Angular Deviation A°	Axial backlash (Reference value)	Max. Operating Force (N)		Mass (g)	Unit Price				
															Tensile	Compression		FJCMX	FJCMXS			
Threaded Type FJCMX FJCMXS		5-0.8	M8-1.25	8.5	18.5	4.5	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
FJXS10-1.5

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 Misalignment Structure Diagram

Lateral, Angular - Tapped
FJCL
FJCLS

Lateral, Angular - Threaded
FJCMXL
FJCMXLS

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

Type		Main Body / Cover		Connector		Spring		Washer		
Lateral Misalignment	Lateral, Angular Misalignment	M	S	M	S	H	M	M	S	H
Tapped	Threaded	S45C Equivalent	Black Oxide	S45C Equivalent	Black Oxide	35-45HRC	SUS304-WPB	SUS304	Nitriding Treatment	500HV~
FJXL	FJMXL	FJCL	FJCMXL	FJXLS	FJMXLS	FJCLS	FJCMXLS			
		SUS304	-	SUS304	-	-	-			

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

Part Number	Type	M-Pitch	L ₁	L ₂	L ₃	L ₄	A	B	C	P	E	d	Allowable Misalignment U	St (Reference value)	Maximum Applied Tensile / Compression Force (N)	Mass (g)	Unit Price						
																	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																					
		8-1.25	11	28	6	5.2	10	22	22	11	5.5	5.5							1100	65			
		10-1.25	13.5	32	7	6	12	26	25	14	6	6.6							2500	115			
		14-1.5	18	40	8	7	17	35(36)	32	20	8	9					0.75			6000	260(280)		
		18-1.5	20	50	9.5	8.5	22	44(45)	40.5	26	10	11					1			11000	520(555)		

Values in () are for SUS.

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

Part Number	Type	M-Pitch	L ₁	L ₂	L ₃	L ₄	A	B	C	P	E	d	Allowable Misalignment U	Allowable Angular Misalignment A°	St (Reference value)	Maximum Applied Tensile / Compression Force (N)	Mass (g)	Unit Price						
																		FJCL	FJCLS					
Tapped Type FJCL FJCLS		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	Type	M-Pitch	L ₁	L ₂	L ₃	L ₄	A	B	C	P	E	d	Allowable Misalignment U	St (Reference value)	Max. Operating Force (N)		Mass (g)	Unit Price				
															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)

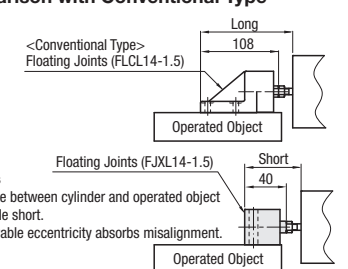
Part Number	Type	M-Pitch	L ₁	L ₂	L ₃	L ₄	A	B	C	P	E	d	Allowable Misalignment U	Allowable Angular Misalignment A°	St (Reference value)	Max. Operating Force (N)		Mass (g)	Unit Price					
																Tensile	Compression		FJCMXL	FJCMXLS				
Threaded Type FJCMXL		5-0.8	6	22.5	4.5	4	7	25	18	9	4	4.5	0.5	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

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.