

Floating Joints

Separate / Separate Nut / Bolt Mount Type

Floating Joints – Separate Type
Separate Nut Type

RoHS 10

FJT
FJT SW
FJN
FJNSW

Type	Components	Material	Surface Treatment	Surface Hardness
FJT	(1) (2)	1045 Carbon Steel or Equivalent	Salt-bath Nitriding	500 HV min.
FJT SW	(1) (2)	304 Stainless Steel	Nitride Treatment	1,000 HV min.
FJN	(1) (3)	1045 Carbon Steel or Equivalent	Salt-bath Nitriding	500 HV min.
FJNSW	(1) (3)	304 Stainless Steel	Nitride Treatment	1,000 HV min.

Ⓞ Salt-bath Nitriding may cause uneven color, which doesn't affect mechanical function.
Ⓞ For details of Salt-bath Nitriding, refer to P.4029

Part Number	Type	M-Pitch	T Selection																	
			h	D	B	(C)	t	t ₁	D ₁	d										
FJT FJT SW FJN FJNSW	F Fixed	3-0.5	2	3	4	5	6	3	3	9	3.2									
		4-0.7	2	3	4	5	6					8								
		5-0.8	3	4	5	6	8					9	10							
	F Configurable	FJTM FJNM	6-1.0	3	4	5	6	8	9	10	12	4	15	6.4						
			8-1.0	4	5	6	8	9	10	12	13				15	16				
			8-1.25																	
		FJTMF FJNMF	10-1.5	4	5	6	8	9	10	12	13	15	16	19	20	4	22	10.5		
			12-1.25	5	6	8	9	10	12	13	15	16	19	20						
			12-1.5																	
			14-1.5	5	6	8	9	10	12	13	15	16	19	20	5				27	15
			18-1.5	8	9	10	12	13	15	16	19	20								
			22-1.5	12	15	20	6	27	32	36.9	35	23								

Ⓞ When T=2, only FJT and FJN are available. Ⓞ FJT SW and FJNSW are not available for an M22.

Floating Joints – Bolt Mount Type

RoHS 10

L Standard
FJBR
FJBR SW

L Configurable
FJBRL
FJBRSWL

L Standard	L Configurable	Material	Surface Treatment	Hardness
FJBR	FJBRL	1045 Carbon Steel or Equivalent	Salt-bath Nitriding	500 HV min.
FJBR SW	FJBRSWL	304 Stainless Steel	Nitride Treatment	1,000 HV min.

Ⓞ For L Configurable Type, surface treatment is not added to the end.
Ⓞ Salt-bath Nitriding may cause uneven color, which doesn't affect mechanical function.
Ⓞ For details of Salt-bath Nitriding, refer to P.4029

Part Number	Type	No.	T Selection																							
			L Fixed	L Configurable (1 mm Increment)																						
L Fixed	FJBR FJBR SW	3	3	4	5	6	8	9	10	12	5	3-10	4	10	14	16.2	6.5	3.4	3.5							
		4	4	5	6	8	9	10	12	15																
		5	4	5	6	8	9	10	12	15																
L Configurable	FJBRL FJBRSWL	6	6	5	6	8	9	10	12	15	6	3-20	8	18	23	26.6	11	6.6	6.5							
		8																		10	21	26	30	14	9	8.6
		10																		12	25	30	34.6	17.5	11	10.8
		10																		8	9	10	12	15		

Part Number Example: Part Number - T - L
 FJT6-1.0 - 10
 FJBR6 - 8
 FJBRL10 - 12 - 14

Floating Joints

Separate Threaded Type

Floating Joints – Separate Threaded Type

RoHS 10

Type

F Fixed	F Configurable
FJTM	FJTMF
FJNM	FJNMF

Components	Material	Surface Treatment	Hardness
(1) (2)	1045 Carbon Steel or Equivalent	Salt-bath Nitriding	500 HV min.
(1) (3)	1045 Carbon Steel or Equivalent	Salt-bath Nitriding	500 HV min.

Ⓞ No Salt-bath Nitriding treatment on F Dimension for FJTMF and FJNMF.
Ⓞ For details of Salt-bath Nitriding, refer to P.4029
Ⓞ Salt-bath Nitriding treatment may cause uneven color, which doesn't affect mechanical function.

Part Number	Type	M-Pitch	T Selection															
			h	D	B	(C)	t	t ₁	D ₁	d								
F Fixed	FJTM FJNM	3-0.5	3	4	6	8	9.2	3	10	7-15	6	8	9.2	3	5	9	3.2	
		4-0.7	3	4	6	8	11.5											
		5-0.8	3	4	6	8	13.9											
	F Configurable	FJTMF FJNMF	6-1.0	4	6	8	9	12	4	23	11-40	13	17	19.6	4	8	18	8.4
			8-1.25	4	6	8	9	12										
			10-1.5	8	10	12	13	15										
F Configurable	FJTMF FJNMF	16-2.0	12	15	20	24	24.2	5	43	21-80	25	30	34.6	5	14	31	17	
		20-2.5	15	20	24	24.2												
		22-2.5	15	20	24	24.2												
		22-2.5	15	20	24	24.2												

Floating Joint and Holder Application Table (FJTM, FJTMF, FJNM, FJNMF)

M-Pitch	FJTM_ FJNM_ T Dimension*	HLRA_ P.3644_ HLRB_ P.3644_ HLRC_ P.3645	FJTM_ FJNM_ T Dimension*	HLRE_ P.3643	FJTM_ FJNM_ T Dimension	HLRD_ P.3645	FJTM_ FJNM_ T Dimension	HLRL_ P.3643	FJTM_ FJNM_ T Dimension	HLRAF_ P.3644
3-0.5	—	6	—	—	—	—	—	—	3-4	6-3-4
4-0.7	4	7	4	7	—	—	—	—	3-4	7-3-4
5-0.8	—	8	—	8	10	8	—	8	3-10	8-3-10
6-1.0	6	10	6	10	12	10	6	10	4-12	10-4-12
8-1.25	—	13	—	13	—	—	—	13	4-12	13-4-12
10-1.5	8	16	8	16	—	—	8	16	8-10	16-8-10
16-2.0	—	25	—	25	—	—	—	—	12-15	27-12-15
20-2.5	15	25	15	25	—	—	—	—	—	—
22-2.5	20	27	20	—	—	—	—	—	15-20	27-15-20

Ⓞ Holder size 27 is only applicable to HLRA and HLRC.

*For holder dimension details, refer to P.3644-3645

Part Number Example: Part Number - T - F
 FJTM5-0.8 - 4
 FJNMF10-1.5 - 8 - 20

Application Example

