

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	3-0.5	2 3 4 5 6	3	6	8	9.2	3	3	9	3.2
				7	10	11.5			11	4.3
	4-0.7	2 3 4 5 6 8	3	8	12	13.9	4	4	13	5.3
				10	14	16.2			15	6.4
	5-0.8	3 4 5 6 8 9 10	3	10	14	16.2	5	5	18	8.4
				13	17	19.6			22	10.5
	6-1.0	3 4 5 6 8 9 10 12	4	16	21	24.2	6	6	24	13
				18	23	26.6			27	15
	8-1.0	4 5 6 8 9 10 12 13 15 16	4	21	26	30	5	5	31	19
				25	30	34.6			35	23
	8-1.25	4 5 6 8 9 10 12 13 15 16 19 20	5	27	32	36.9	6	6		
	10-1.25	5 6 8 9 10 12 13 15 16 19 20	5				6	6		
10-1.5	5 6 8 9 10 12 13 15 16 19 20	6				6	6			
12-1.25	5 6 8 9 10 12 13 15 16 19 20	6				6	6			
12-1.5	5 6 8 9 10 12 13 15 16 19 20	6				6	6			
14-1.5	5 6 8 9 10 12 13 15 16 19 20	6				6	6			
18-1.5	8 9 10 12 13 15 16 19 20	6				6	6			
22-1.5	12 15 20	6				6	6			

Ⓞ 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	5	3-10						
		4	5	10	13	17	19.6	8	4.5	4.5
		5	6	16	21	24.2	9.5	5.5	5.5	
L Configurable	FJBRL FJBRSWL	6	6	3-20						
		8	6	8	18	23	26.6	11	6.6	6.5
		10	6	10	21	26	30	14	9	8.6
		10	10	12	25	30	34.6	17.5	11	10.8

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	FJT MF
FJNM	FJNM F

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	F Configurable 1 mm Increment											
F Fixed	FJTM FJNM	3-0.5	3	4*	10	7-15	3	6	8	9.2	3	5	9	3.2	
			4	4*	13	8-20		7	10	11.5		11	4.3		
		5-0.8	3	4	6*	10	15	8-25	8	12	13.9	4	6	13	5.3
			4	6*	12	21	9-30	10	14	16.2	15		6.4		
		F Configurable	FJT MF FJNMF	8-1.25	4	6	8*	9	12	23	11-40	4	8	18	8.4
					10-1.5	8*	10	27	13-50	13	17		19.6	22	10.5
16-2.0	12			15*	43	21-80	5	25	30	34.6	5	14	31	17	
	20-2.5			15*	48	24-100		16	21	24.2		22	10.5		
22-2.5	15			20*	52	27-100	6	27	32	36.9	6	14	35	23	

Floating Joint and Holder Application Table (FJTM, FJT MF, 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	4	6	4	7	—	—	—	—	3-4	6-3-4
4-0.7	6	8	6	8	10	8	—	—	3-4	7-3-4
5-0.8	8	10	8	10	12	10	6	8	3-10	8-3-10
6-1.0	10	13	10	13	16	12	8	10	4-12	10-4-12
8-1.25	15	16	15	16	—	—	8	13	4-12	13-4-12
10-1.5	20	25	20	25	—	—	—	16	8-10	16-8-10
16-2.0	27	—	27	—	—	—	—	—	12-15	27-12-15
20-2.5	—	—	—	—	—	—	—	—	—	—
22-2.5	—	—	—	—	—	—	—	—	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

