

Floating Joints

T Groove Type

Floating Joints – T Groove Type

Type				Material	Hardness	Surface Treatment
With Pilot Type		Through Hole Type				
Thru	Tapped	Thru	Tapped	1045 Carbon Steel or Equivalent O1 Tool Steel Equivalent 304 Stainless Steel	— 53~58 HRC min. —	Black Oxide — —
FJMH	FJH	FJMW	FJW			
FJMHA	FJHSA	FJMWS	FJWS			

Pilot, Threaded Type

Through, Threaded Type

Pilot, Tapped Type

Through, Tapped Type

Part Number Type	M-Pitch	D	P	W	Ra (P/2)	Rb (W/2)	B	L			T	h	ℓ	F	(g)	Tip Connection Joint D
								L1	L2	L						
With Pilot, Threaded FJMH FJMHA FJMHS	4-0.7	15	5	8	2.5	4	13	12	21	7	4	4	6	6	2	8
	5-0.8	18	6	9	3	4.5	15	12	24	8	4	4	8	7	2	10
	6-1.0	20	7	11	3.5	5.5	17	15	29	9	5	5	10	10	2.5	12
	8-1.25	22	9	13	4.5	6.5	19	15	32	10	5	5	12	12	2.5	16
Tapped with Pilot FJH FJHSA FJHS	10-1.25	28	12	17	6	8.5	25	—	38	11	—	—	15	—	—	20
	10-1.5	—	—	—	—	—	—	18	—	—	—	—	14	3	—	20
	14-1.5	—	—	—	—	—	—	—	44	13	—	—	21	—	—	25
	16-2.0	33	15	21	7.5	10.5	30	20	—	—	—	—	20	3	—	25

Part Number Example

Part Number: FJMHA8-1.25
FJH10-1.25
FJMWS8-1.25
FJW10-1.25

Part Number Example

Part Number: FJMHA8-1.25 - MC

M	Available Types								
	With Pilot Type						Through Hole Type		
	Thru			Tapped			Thru		Tapped
	FJMH	FJMHA	FJMHS	FJH	FJHSA	FJHS	FJMW	FJMWS	FJY-H
4-0.7	•	•	•	•	•	•	•	•	•
5-0.8	•	•	•	•	•	•	•	•	•
6-1.0	•	•	•	•	•	•	•	•	•
8-1.25	•	•	•	•	•	•	•	•	•
10-1.25	•	•	•	•	•	•	•	•	•
10-1.5	•	•	•	•	•	•	•	•	•
14-1.5	•	•	•	•	•	•	•	•	•
16-2.0	•	•	•	•	•	•	•	•	•

Alteration Code

Thread Size

MC

Changes the thread to the next larger size. (Applicable to With Pilot Type only (Ex.) When FJMHA6-1.0)

When FJH6-1.0

Dimensions after Alteration

Before Change M-Pitch	After Change M-Pitch	D	L1	L2	ℓ	F	(g)	Tip Connection Joint D
4-0.7	5-0.8	15	24	8	8	7	2	8
5-0.8	6-1.0	18	29	9	10	10	2.5	10
6-1.0	8-1.25	20	32	10	12	12	2.5	12
8-1.25	Tapped	10-1.25	38	11	15	—	—	16
	Thru	10-1.5	—	—	—	14	3	—
10-1.25	14-1.5	28	44	13	21	—	—	20
10-1.5	16-2.0	—	—	—	—	20	3	—

⊗ Not applicable for 14-1.5, 16-2.0.

Tip Connection Joints

Tapped Type

Tip Connection Joints – Tapped Type

Type	Material	Surface Treatment	Hardness
TCJ	1045 Carbon Steel or Equivalent	Hard Chrome Plating Plating Thickness: 3 μm or more	750 HV min.
TCJSA	O1 Tool Steel Equivalent	—	53~58 HRC min.
TCJS	304 Stainless Steel	—	—

Part Number Type	D	L Specify in 1 mm Increment	M (Coarse)			h	D1	D2	T	W	ℓ1	Thread Details				
			3	4	5							M (Coarse)	Pitch	F Standard	(g) Standard	
TCJ TCJSA TCJS	8	10-100	3	4	5	4	4	7	4	7	5	3	0.5	5.6	—	—
	10	10-100	4	5	6	4	5	8	4	8	6	4	0.7	6.8	—	2
	12	15-150	5	6	8	5	6	10	5	10	7	6	0.8	8.5	—	2.5
	16	15-150	6	8	10	5	8	12	5	13	8	8	1.0	9.7	—	—
	20	20-200	8	10	12	6	11	16	6	18	10	10	1.25	12.6	—	—
	25	25-200	10	12	14	6	14	20	6	22	12	12	1.5	15	—	3
													1.75	17.4	—	—
													2.0	20.8	—	—
													2.0	23.2	—	4
													2.5	28	—	—

⊗ L≥Mx2.5

Part Number Example

Part Number: TCJ10 - 80 - M6

Part Number Alterations

Part Number: TCJ16 - 55 - M10 - PMC

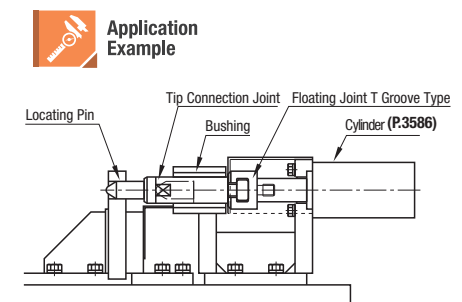
Alterations Code

Spec.

Changes the thread to fine thread. (Alteration is available for M10, 14 and 16 only.)

Ordering Code: PMC

M	Pitch
10	1.25
14	1.5
16	1.5



M	Available Types																	
	Thru						Thru, L Configurable						Tapped					
	TCMJ		TCMSA		TCMJS		TCMJF		TCMSAF		TCMJSF		TCJ		TCJSA		TCJS	
	Min. L-10	L101-Max	Min. L-10	L101-Max	Min. L-10	L101-Max	Min. L-10	L101-Max	Min. L-10	L101-Max	Min. L-10	L101-Max	Min. L-10	L101-Max	Min. L-10	L101-Max	Min. L-10	L101-Max
8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
16	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
20	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
25	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•