

# Floating Joints - Quick Connection Type

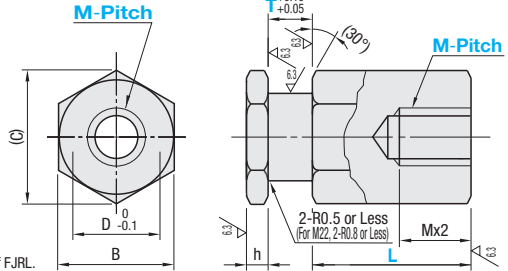
## [Tapped] Cylinder Connector Configurable

■ **Features:** Fine adjustment of size is possible with size configurable type.



Type	Material	Surface Treatment	Hardness
FJGF	S45C Equivalent	Hard Chrome Plating	750HV~
FJRL	S45C Equivalent	Salt-bath Nitriding	500HV~

25 / (6.3 /)



- ⚠ Salt-bath Nitriding may cause uneven color, which doesn't affect mechanical function.
- ⚠ For details of Salt-bath Nitriding, see P.1907.
- ⚠ No Salt-bath Nitriding Treatment on the Thread End of FJRL.



### T / L Configurable

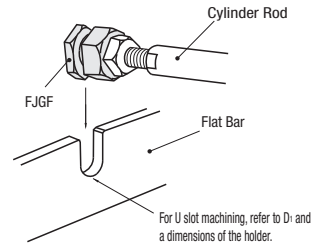
Part Number Type	M-Pitch	T		L		h	D	B	C	Unit Price	
		0.1mm Increment	1mm Increment	1mm Increment	1mm Increment						
FJGF	3-0.5	2.0-20.0	3-10	3	6	8	9.2				
	4-0.7	2.0-20.0	3-20		7	10	11.5				
	5-0.8	2.0-20.0	3-20		8	12	13.9				
	6-1.0	3.0-20.0	4-30		10	14	16.2				
	8-1.0	3.0-20.0	4-30		4	13	17	19.6			
	8-1.25	3.0-20.0				16	21	24.2			
	10-1.25	3.0-20.0	5-40	5	18	23	26.6				
	10-1.5	3.0-20.0			21	26	30				
	12-1.25	4.0-20.0			25	30	34.6				
	12-1.5	4.0-20.0			27	32	36.9				
	14-1.5	4.0-20.0	10-40	6	27	32	36.9				
	16-1.5	8.0-30.0			8-40						
	18-1.5	8.0-30.0	8-40								
	22-1.5	10.0-30.0	10-40								



Part Number - T - L  
FJGF4-0.7 - 4.5 - 15

- ⚠ When h+T+L≤3M, the tapped hole may go through.
- ⚠ FJGF is a floating connector for air cylinders.

◀ **Reference** ▶ Example of T Dimension Configuring Method  
 • Configure T Dimension when using an Original Holder/Flat Bar combination.  
 • It is possible to minimize backlash by "Size Configuration allowing for Groove Width/Allowance".



### Example of Connector T Dimensions for Connection to Flat Bar

Processing Method	Plate Thickness	Tolerance		Connector T Dimension	Backlash*
		Upper Limit	Lower Limit		
Ex. 1 Cold Rolling	4.5	0	-0.1	4.5	0.05-0.2
Ex. 2 Hot Rolling	5	+0.3	-0.3	5.3	0.05-0.7

\* Clearance for tolerance between Flat Bar and Connector

### T Selection / L Configurable

Part Number Type	M-Pitch	T Selection										L 1mm Increment	h	D	B	(C)	Unit Price	
		2	3	4	5	6	8	9	10	12	13							15
FJRL	3-0.5												3-50	3	6	8	9.2	
	4-0.7												3-60		7	10	11.5	
	5-0.8												3-60		8	12	13.9	
	6-1.0												4-80		10	14	16.2	
	8-1.0												4-100		13	17	19.6	
	8-1.25														4	16	21	24.2
	10-1.25												5-100	18		23	26.6	
	10-1.5													5-100		21	26	30
	12-1.25												8-100			25	30	34.6
	12-1.5													8-100	27	32	36.9	
	14-1.5												10-100		27	32	36.9	
	16-1.5																	
	18-1.5																	
	22-1.5																	

- ⚠ For compatible holders, see HLRAF (P.1533).
- ⚠ When h+T+L≤3M, the tapped hole may go through.



Ordering Example  
 Part Number - T - L  
 FJRL4-0.7 - 8 - 20



Example

■ It is possible to extend or adjust the join length.

