

Floating Joints - Quick Connection Type

[Tapped] Cylinder Connector Fixed

■Features: The tip is a connector connected to threaded cylinder rod. It is a low-priced fixed type.

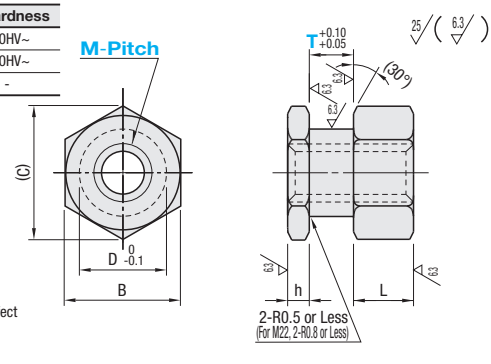


Type	Material	Surface Treatment	Hardness
FJG	S45C Equivalent	Hard Chrome Plating	750HV~
FJR	S45C Equivalent	Salt-bath Nitriding	500HV~
FJRSS	SUS304	-	-

☞ For FJRWS, see eCatalog.

☞ Salt-bath Nitriding may cause uneven color, which doesn't affect mechanical function.

☞ For details of Salt-bath Nitriding, see P.1907.



Fixed

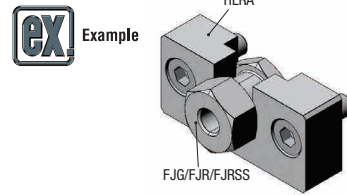
Part Number	Type	M-Pitch	T *Specification not required for FJG.	L	h	D	B	C	Unit Price				Applicable Holder						
									FJG	FJR	FJRSS	HLRA □ P.1533	HLRB □ P.1535	HLRC □ P.1534	HLRE □ P.1536				
	FJG	3-0.5	4	5	3	6	8	9.2											
	FJG	4-0.7	6	7	3	7	10	11.5											
	FJG	5-0.8	6	8	3	8	12	13.9											
	FJG	6-1.0	8	9	3	10	14	16.2											
	FJG	8-1.0	8	13	3	13	17	19.6											
	FJG	8-1.25	8	11	4	16	21	24.2											
	FJG	10-1.25	8	12	4	18	23	26.6											
	FJG	10-1.5	12	13	4	21	26	30											
	FJG	12-1.5	12	15	5	25	30	34.6											
	FJG	14-1.5	15	17	6	27	32	36.9											
	FJG	16-1.5	15	15	5	25	30	34.6											
	FJG	18-1.5	15	17	6	27	32	36.9											
	FJG	22-1.5	20	17	6	27	32	36.9											

☞ FJG is a floating connector for air cylinders.

Ordering Example

Part Number	-	T
FJG8-1.25	-	6
FJR5-0.8	-	6
FJRSS4-0.7	-	4

■Features for new standard "FJG"
 • Global standard supported internationally
 • Low price is realized through mass production.
 • Plating makes the external quality superior to the previous products.



T Selectable Type

Part Number	Type	M-Pitch	T Selection										L	h	D	B	(C)	Unit Price				
			FJR					FJRSS										FJR	FJRSS			
	FJR	3-0.5	2	3	5	6	3	5	6	8	5	6	8	9.2								
	FJR	4-0.7	2	3	5	6	8	3	5	6	8	6	7	10	11.5							
	FJR	5-0.8	3	4	5	8	9	10	3	4	5	8	9	10	7	8	12	13.9				
	FJR	6-1.0	3	4	5	8	9	10	12	4	5	8	8	10	14	16.2						
	FJR	8-1.0																				
	FJR	8-1.25	4	5	6	9	10	12	13	15	16	5	6	12	9	13	17	19.6				
	FJR	10-1.25																				
	FJR	10-1.5	4	5	6	9	10	12	13	15	16	19	20	6	9	10	12	11	4	16	21	24.2
	FJR	12-1.25																				
	FJR	12-1.5	5	6	8	9	10	13	15	16	19	20	-	-	-	-	-	-	-			
	FJR	14-1.5	5	6	8	9	10	13	15	16	19	20	8	9	10	16	19	13	21	26	30	
	FJR	16-1.5	8	9	10	12	13	16	19	20	-	-	-	-	-	-	-	-	-			
	FJR	18-1.5	8	9	10	12	13	16	19	20	-	-	-	-	-	-	-	-	-			
	FJR	22-1.5																				
	FJR																					

☞ For compatible holders, see HLRAF (P.1533).

Ordering Example

Part Number	-	T
FJR5-0.8	-	8
FJRSS4-0.7	-	8

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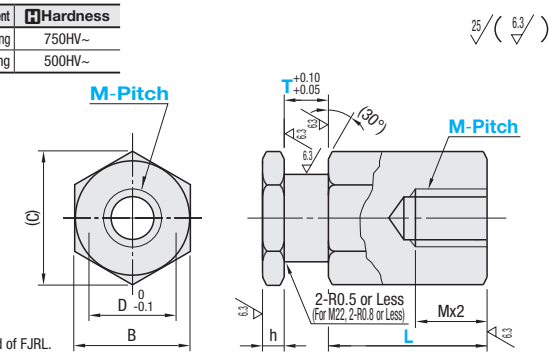
[Tapped] Cylinder Connector Configurable

■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~

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

Part Number - T - L

FJGF4-0.7 - 4.5 - 15

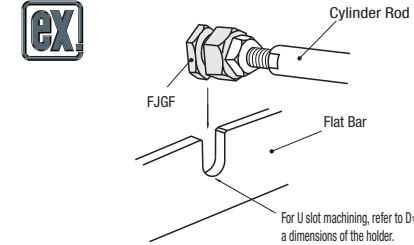
☞ When h+T+L<3M, the tapped hole may go through.
 ☞ FJGF is a floating connector for air cylinders.

☞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
			FJRL	3-0.5	2	3	4	5	6	3-50	3	6						
		4-0.7	2	3	4	5	6	8	3-60	3	7	10	11.5					
		5-0.8	3	4	5	6	8	9	10	3-60	3	8	12	13.9				
		6-1.0	3	4	5	6	8	9	10	12	4-80	3	10	14	16.2			
		8-1.0									4	13	17	19.6				
		8-1.25									4	13	17	19.6				
		10-1.25									4	16	21	24.2				
		10-1.5									4	16	21	24.2				
		12-1.25									5	18	23	26.6				
		12-1.5									5	18	23	26.6				
		14-1.5									5	21	26	30				
		16-1.5									8	25	30	34.6				
		18-1.5									8	25	30	34.6				
		22-1.5									12	27	32	36.9				

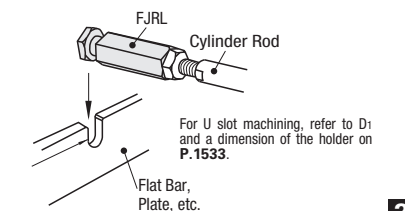
☞ For compatible holders, see HLRAF (P.1533).
 ☞ When h+T+L<3M, the tapped hole may go through.

Ordering Example

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



It is possible to extend or adjust the join length.



For U slot machining, refer to D1 and a dimension of the holder on P.1533.