

Compact Floating Joints


-Extension Rod Type-



CAD Data

Surface treatment of 1.4301/X5CrNi18-10 has changed from Tuffride® into Nitriding treatment. Better corrosion resistance and hardness, less particle generation on the surface than the conventional products.

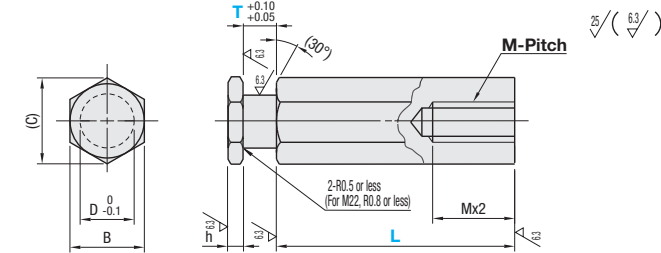
RoHS10



L Selectable Type
FJLC
FJLCSW

L Dimension Configurable
FJL
FJLSW

Ⓢ Salt-bath Nitriding treatment may cause uneven color, which doesn't affect mechanical function.
Ⓢ No Salt-bath Nitriding treatment on the thread end.
Ⓢ For details of Salt-bath Nitriding, refer to P.1799.



L Selectable **L Configurable** **M Material** **S** **F Surface Hardness**

FJLC	FJL	1.1191/C45E	Salt-bath Nitriding	500HV~
FJLCSW	FJLSW	1.4301/X5CrNi18-10	Nitride Treatment	1000HV~

L Selectable Type

Part Number		L Selection					Applicable Holder			€ Unit Price		
Type	M-Pitch	T	h	D	B	(C)	HLRA P.1429	HLRB P.1429	HLRC P.1430	HLRE P.1428	FJLC	FJLCSW
FJLC FJLCSW	3-0.5	10	12	15	18	20	25	4	6	6.9		
	4-0.7	12	15	18	20	25	30	6				
	5-0.8	15	18	20	25	30	40	7				
	6-1.0	18	20	25	30	40	50	10				
	8-1.0	25	30	40	50	60	70	13				
	8-1.25	30	40	50	60	70	80	16				
	10-1.25	40	50	60	70	80	90	18				
	10-1.5	50	60	70	80	90	100	21				
	12-1.25	70	80	90	100							
	12-1.5	70	80	90	100							

L Dimension Configurable Type

Part Number		T Selection			L Specify in 1mm Increment			€ Unit Price	
Type	M-Pitch	h	D	B	(C)	FJL	FJLSW		
FJL FJLSW	3-0.5	3	4	5	6	3~50			
	4-0.7	3	4	5	6	3~60			
	5-0.8	3	4	5	6	3~60			
	6-1.0	3	4	5	6	3~60			
	8-1.0	4	5	6	8	4~80			
	8-1.25	4	5	6	8	4~100			
	10-1.25	4	5	6	8	4~100			
	10-1.5	4	5	6	8	4~100			
	12-1.25	5	6	8	9	5~100			
	12-1.5	5	6	8	9	5~100			

Ⓢ When h+T+L≤3M, the tapped hole goes through.

Floating Joints and Holders Application Table (FJL - FJLSW)

M-Pitch	FJL FJLSW T Dimension*	HLRA P.1429 HLRB P.1429 HLRC P.1430	FJL FJLSW T Dim.*	HLRE P.1428	FJL FJLSW T Dim.	HLRD P.1430	FJL FJLSW T Dim.	HLRL P.1428	FJL FJLSW T Dim.	HLRAF P.1429
3-0.5	4									
4-0.7	4	4	4	-	-	-	-	3~6	6~3~6	
5-0.8	4	6	4	-	-	-	-	3~8	7~3~8	
6-1.0	7	7	7	8	7	6	7	3~12	10~3~12	
8-1.0	6	10	6	10	12	10	6	3~12	10~3~12	
8-1.25	6	10	6	10	12	10	6	3~12	10~3~12	
10-1.25	8	13	8	13	13	13	8	4~12	13~4~12	
10-1.5	8	16	8	16	15	16	8	5~15	16~5~15	
12-1.25	12	18	12	18	16	18	10	8~15	21~6~15	
12-1.5	12	21	12	21	19	21	10	8~15	21~6~15	
14-1.5	15	25	15	25	20	25	10	12~20	25~8~20	

* For detailed holder dimensions, refer to P.1428~1430

Order Example

Part Number - L
FJLC8-1.0 - 25

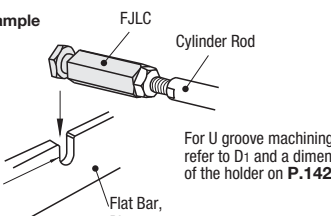
Part Number - T - L
FJL6-1.0 - 6 - 70

Days to Ship 8 Days

Price

Quantity	Discount Rate	€ Unit Price
1-9	5%	
10-14	5%	
15-19	10%	

Example




For U groove machining, refer to D1 and a dimension of the holder on P.1429

Compact Floating Joints

-Extension Rod Male Thread Type-

CAD Data

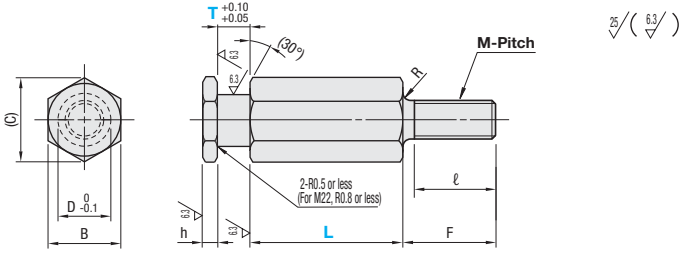
RoHS10



L Selectable Type
FJLCM

L Dimension Configurable
FJLLM

Ⓢ Salt-bath Nitriding treatment may cause uneven color, which doesn't affect mechanical function.
Ⓢ No Salt-bath Nitriding treatment on F Dimension.
Ⓢ For details of Salt-bath Nitriding, refer to P.1799.



L Selectable **L Configurable** **M Material** **S** **F Surface Hardness**

FJLCM	FJLLM	1.1191/C45E	Salt-bath Nitriding	500HV~
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L Dimension Selectable Type

Part Number		L Selection					Applicable Holder			€ Unit Price	
Type	M-Pitch	T	h	D	F	ℓ	B	(C)	R	HLRA_HLRB_HLRC_HLRE	
FJLCM	3-0.5	10	12	15	4	8	6	6.9	1	4	
	4-0.7	12	15	18	20	6	11	9	1.5	6	
	5-0.8	15	18	20	25	7	13	11	2	7	
	6-1.0	18	20	25	30	8	17	10	11.5	10	
	8-1.25	25	30	40	6	10	20	18	14	16.2	13
	10-1.5	30	40	50	8	13	24	21	17	19.6	21
	16-2.0	60	70	80	12	21	40	37	26	30	25
	20-2.5	70	80	90	15	25	50	46	30	34.6	

L Dimension Configurable Type

Part Number		T Selection			L Specify in 1mm Increment			€ Unit Price	
Type	M-Pitch	h	D	B	(C)	R	FJLLM	FJLLM	
FJLLM	3-0.5	3	4	5	6	3~15			
	4-0.7	3	4	5	6	3~20			
	5-0.8	3	4	5	6	3~25			
	6-1.0	4	5	6	8	4~30			
	8-1.25	5	6	8	12	4~40			
	10-1.5	6	8	9	10	4~50			
	16-2.0	12	15	20	8~80				
	20-2.5	12	15	20	10~100				
	22-2.5	12	15	20	10~100				

Floating Joints and Holders Application Table (FJLLM)

M-Pitch	FJLCM FJLLM T Dimension*	HLRA P.1429 HLRB P.1429 HLRC P.1430	FJLCM FJLLM T Dimension*	HLRE P.1428	FJLLM T Dimension	HLRD P.1430	FJLLM T Dimension	HLRL P.1428	FJLMM T Dimension	HLRAF P.1429
3-0.5										
4-0.7	4	4	4	-	-	-	-	-	3~6	6~3~6
5-0.8	4	6	4	-	-	-	-	-	4~8	7~4~8
6-1.0	7	7	7	8	7	6	7	7	5~12	10~5~12
8-1.25	6	10	6	10	12	10	6	10	6~12	13~6~12
10-1.5	8	13	8	13	-	-	-	13	15	21~15
16-2.0	12	21	12	21	-	-	-	-	12~20	25~12~20
20-2.5	15	25	15	25	20	25	-	-	12~20	25~12~20
22-2.5	20	27	20	-	20	25	-	-	27~12~20	

Ⓢ For holders of size 27, only HLRA - HLRC is available.

* For detailed holder dimensions, refer to P.1428~1430

Order Example

Part Number - L Part Number - T - L
FJLCM6-1.0 - 25 FJLLM8-1.25 - 6 - 40

Days to Ship 8 Days

Price

Quantity	Discount Rate	€ Unit Price
1-9	5%	
10-14	5%	
15-19	10%	

