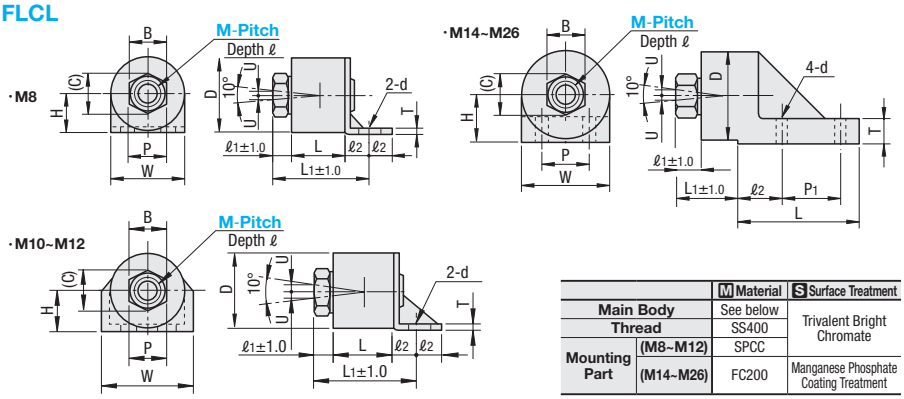
■Bracket Mounting

FLCL



		Material	Surface Treatment
Main Body		See below	Trivalent Bright Chromate
Thread		SS400	
Mounting Part	(M8~M12)	SPCC	
	(M14~M26)	FC200	Manganese Phosphate Coating Treatment

Part Number Type	M-Pitch	ℓ	ℓ1	ℓ2	L	L1	T	D	d	W	P	P1	H	B	(C)	Allowable Misalignment U	Working Load kgf (N) for Push and Pull	Mass (kg)	Unit Price 1~4 pc(s).	Volume Discount Rate 5~10
FLCL	8-1.0	8	6	10	23.5	39.5	3	30	5.5	31	16	-	16	14	16.2	0.5	~60(588)	0.16		
	10-1.25	10	9	12	28.5	49.5		36	6.5	43	20		19	19	22	0.75	~120(1177)	0.27		
	12-1.5																	0.28		
	14-1.5	13	14	27	70	35	14	51	7	51	28	35	26	23	26.6	1	~540(5296)	0.80		
	16-1.5																			
	18-1.5	15	24			45								29	33.5			0.90		
	22-1.5	22	31.5	34	90	55.5	18	62	9	62	36	46	32	35	40.4	1.5	~780(7644)	1.50		
	26-1.5		33	42	112	61	22	69	11	69	40	54	37	41	47.3		~1380(13524)	2.30		

For orders larger than indicated quantity, please check with WOS.

Ordering Example

Part Number

FLCM3-0.5
FLCT10-1.25

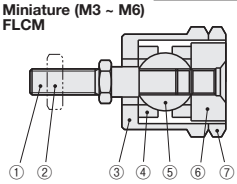
Overview

- The tip inside the connector is spherical, and absorption of misalignment is possible. Shaft alignment and parallelism setting in cylinder mounting can thus be achieved merely by visual estimation.
- Due to integration of connector and holder, selecting is easy, and at the same time, number of parts is reduced.
- For Miniature Type (FLCM), screws with sizes M3 to M6 are provided for small cylinders.
- For Standard Type, three mounting variations are offered: Screw-In Type (FLCT), Flange Mounting Type (FLCF) and Bracket Mounting Type (FLCL).

■Components

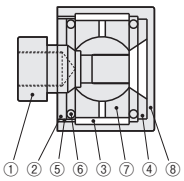
Thread Dia.		Type (How to Mount)
Miniature	M3~M6	FLCM (Screw-In)
Standard	M8~M26	FLCT (Screw-In), FLCF (Flange Mounting), FLCL (Bracket Mounting)

Miniature (M3 ~ M6)
FLCM



Part Number	Part Name	Material
①	Stud	SUS304
②	Nut	SS400
③	Case	C3604
④	Ball Holder	C3604
⑤	Ball Joiner	C3604
⑥	Socket	C3604
⑦	Rod Tip Nut	SWCH8R

Standard (M8 ~ M26)
FLCT / FLCF / FLCL



Part Number	Part Name	Material
①	Rod Tip Socket	SS400 Equivalent (M26 is S45C)
②	Cap	SUJ2
③	Radial Direction Clearance	-
④	Steel Ball Retainer	SUJ2
⑤	Rubber Steel Ball Retainer Plate	Nitrile Rubber
⑥	Steel Ball	-
⑦	Ball Holder	SUJ2
⑧	Case	FC200 Equivalent

■Features

- Misalignment is absorbed in three-dimensions through the ball joint swing A and misalignment motion B. (See Figure ①)
- FLCT, FLCF and FLCL have a built-in bearing, which reduces lateral load significantly and absorbs misalignment. (See Figure ②)

Figure ①

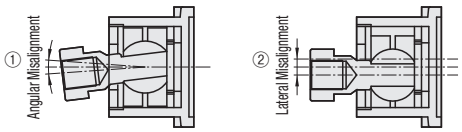
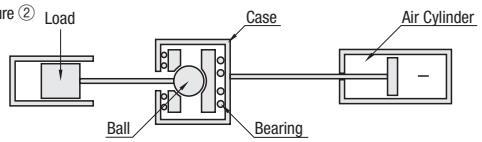


Figure ②

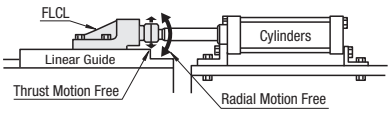


■Benefits

The following benefits are obtained by installing on the cylinder rod.

- Prevents one end of cylinder rod from getting worn out. Prevents breakage of the gasket.
- Enables operation at low pressure. Prevents thrust decline.

Example



■Precautions for Use

- Although the screw is rotatable, the connector cannot be used as a rotating joint.
- Non-reusable after disassembled.
- Grease filled to eliminate oiling.
- The applied load shown is static. Note that the applied load value for repeated impact load will be lower than shown.